# The Mining Journal

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES.

No. 382. -Vol. XII.]

LONDON: SATURDAY, DECEMBER 17, 1842.

PRICE 6D.

FIANNABLES OF CORNWALL.

IN THE VICE-WARDEN'S COURT.

FOR AND OTHERS a, WILLIAMS "—— FOX AND OTHERS a, NAME."

WHEREAS the Vice-Warden did, by two several orders or decrease, made in the above-mentioned causes, and bearing date respectively takings of November, 1841, order that a sails to make of tenning thick thiograms of November, 1841, order that a sails to make of tenning thick thiograms.

MACHINERY and MATERIALS upon and betonging to WHEAL HERRY SE, in the parish of Womenen, within the male Stannaries, notice the directions of Registrary of the Court, and that the proceeds of such sail should be applied by a rail Registrary in the nonnor directed by the same orderer or decreets; notice is only given, that, pursuant to the sail several orders or decrees, a PUBLIC AUC.

ON will be halden at Wheal Henry Mine aforeasid, on Tunding, the 28th day of member inst., at Eleven o'clock in the forenoon, for selling, other together or to make the selling of the same of the same, application may be made to Captain Feory, at the mine of fore forester participants (it by letter, pre-paid) to Mr. Roberts, achieves, and for forester participants (it by letter, pre-paid) to Mr. Roberts, achieves, and for forester participants (it by letter, pre-paid) to Mr. Roberts, achieves, achieves.

ALUABLE COLLIERY, NEAR SWANSEA, TO BE LET,

OLLIERY, IRONSTONE, IRON-WORK, and FOUNDRY, in Clashman making.—To BE LET, with entry at the term of Weitbunder, the VALUABLE COAL-FIELD of NORTH SAUCHIE, near Alica, at pretable the massacian of the Devon Iron Company. This coal has been wrought
to be brighted for the manufacture of iron. The present workings are contable to the manufacture of iron. The present workings are contable to the term of the coal present of the coaltable to the term of the coaltable to the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the coal
table to the two at the two at the two at the coal

table to the two at the two at the coal
table to the two at the two at the two at the coal

table to the two at the two at the coal

table to the two at the two at the two at the coal

table to the two at the two at the two at the two at the coal

table to the two at the two at the two at the coal

table to the two at the two at the two at the coal

table to the two at t

N OPPORTUNITY TO REALISE LARGE PROFITS.

ROWN AND OTHER GLASS MANUFACTURERS.

MAESTEG IRON WORKS AND MARGAM TIN PLATE

SEYSSEL ASPHALTE CLARIDGES PATENT

DAVING, SIXPENCE PER FOOT.-POLONCEAU'S

THE PARISIAN BITUMEN COMPANY when

### LAW INTELLIGENCE.

LIABILITY OF SHAREHOLDERS-IMPORTANT DECISION.

COURT OF SHAREHOLDERS—IMPORTANT DECISION.

COURT OF EXCREQUES—MAKE. G. GREPTERS & OFFICES.

BYRWARY (public officer) o. WALKER—SAME. G. GREPTERS & OFFICES.

Brown Panks promoved judgment in both these cases, which were actings rought by the public officer of the East of Registed Banking Company against he partners of another banking company, for debts due by the banking construction; it has very said in their private capacity, as partners of the common, and they pleaded that the debt for which the netion was brought was not occurred by them in their locitrional capacity, but so members of a banking operatorship, knying a public officer, liable to be used under the statute Grei, IV., c. 26. To this pith there was a decourrer on zeroral grounds, ut the principal officerion was, that, though they were in on-partnership, and an apublic officer, they were still liable to be used in their private capacity, a partners in a trading partnership. The question to be decided was, whether is liability of the defendants was affected by the statute; it was perfectly ear that, under the provision of the statute, the plantiff might have used the abilic officer of the common into right against individual members remained; is construction the court put upon the Act of Parliament was, that, in ordity cases, the Logislatore meant that the public officer, and the public officer viry, should be sued. The opinion of the court was, that the common law meety is this case was taken away by the statute; the objections in the planter all overruied, not the judgment of the court was, that the common law meety is table case was taken away by the statute; the objections in the planter all overruied, not the judgment of the court catered for the defendants.

### TALACRE COAL AND IRON COMPANY.

TALACRE COAL AND IRON COMPANY.

A full attendance of the committee to lovestigate the charges against Alterman Thomas Wood, with empett to his consection with the unfortunate support, took place at Guidhall on Saturday last, for the propose of further researing the loquiry. Mr. Alderman Brown acted as claiman. The simules of the last meeting on the subject were read, and also soon letters alling on Alderman T. Wood to state the charges the committee were to investigate. A letter, in answer, from Alderman T. Wood was also read, consuming the concess pursued by the committee, as they were calling upon bloss make charges against himself.—The CRIATRIAN and sold this communication has a partest insult to the Court of Alderman, as it charged them with what as not true, had there been any cause for his rejection from the majorality, perhaps, was founded on the jodgment of the Level Chief Justice of Kagned placed in their bands by Alderman T. Wood himself, in which frauds serve imputed to him.—Alderman T. Wood himself, in which frauds serve imputed the home.—Alderman With Orgetting his place as chairman, of acting the advocate against him.—Moch confusion here prevailed, and it length the judgment of Lord Bussman with forgetting his place as chairman, of setting the pudgment of Lord Bussman with forgetting his place as chairman, and setting the reduced against him.—Moch confusion here prevailed, and it is east the judgment of Lord Bussman was read; Alderman T. Wood to having power read; alderman T. Wood to have been safe in the Court of Alderman, should be put in and accepted by the committee, Alderman T. Wood accented to him to refer to any other alters as consisten might require. —After considerable confusion and opposition of the feeter Lorde, it was ultimately adopted.—The meeting as then adjourned till the last week in January.

TALACRE COAL AND IRON COMPANY.

on the motion of Sir Peter Lawin, it was ultimately adopted.—The moeting was then adjustment till the last week in Jamasry.

TALACRE COAL AND IRON COMPANY.

COURT OF NAKKEUPTCY, DUBLIN—DRG. 10.

The case of Mr. Shaw (of Colbridge), which was noticed in our Journal of last week, again came before the court this day—Mr. Since having one sagrendeced.—Mr. Fyratismor said, his client appeared in abedience to the summans of the court, though, at the same time, he protested against its validity, and was resolved to patition the Chancellor to have it superselled, and to try the right of the publishment credition to Chancellor to have it superselled, and to try the right of the publishment credition from his client by the concentions of the Talacre Company, under circumstances of the grouvest fraud; and he was hatracted to say, that they should be able to concent Roward (the petitioning creditor) with the fraud, as between himself and a person named Levanon, to whom these bills, for which Mr. Shaw never received any contideration, had been passed.—The class to trial with Mr. Reward, where their rights would be fairly established; and it seemed to him an extraordinary proceeding that a man, having a fair claim, should not one of a commiscion of habitruptcy on a debt dot by a outward man on hills of exchange. If Mr. Howard gets a versiest, Mr. Shaw will pay to the last furthing; it was easy to ony a man was colvent, but he had proof in his hands that Mr. Binaw had assigned over, by deed, the whole of his property before he wash to the conditional, Mr. Howard had a just claim, on assignment comid etand against it.—Mr. Cause arrows wished now to proceed to appoint an assignment that every step he took wealth he a just claim, no assignment moid etand against it.—Mr. Cause arrows wished now to proceed to appoint the court would take the surreader conditionally and these personales and the proceed to appoint the court would not one present the personal had not not a provent the usual preliminary questions. In an ever to Mr. Ce

pt in a very correct and coolingtic macoust. Investments to the of 253,1766, had been made on the part of the company; and, they observe, "that the momentary depression which has existed with in fast disappearing, and its interest concepts use bringing their persected side, getset prospectity may be confidently bendered for;" and conscious by saying, "they have the indepent of the company of heart, and one nations for condition with the based in London. They represe their most senguine opinion, that the company may now heat senguine opinion, that the company may now heat senguine opinion, that the company may now heat send to increasing promparity, and their entire confidence in the gradience considering the heart.

Pagearon Fune, and Record and Co. 's Pearl Warner and Here Carriers and Record the day, in which the advancement of the control index in the cost index in the cost. Taking everything into carriers, we have send of accessor in scale and accordance by Monager. Repeated of Recordance, and any send Co., of Recordaill. It is a opened about a cost of polishes, and according to the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in the ball, are once the distinguishing the circ. It may be planned in accordance when a successful the circ. It may be planned to approximate that circ opening the circ. As a post of the circ. Without proposed the circ opening the circ. As a post of the circ. As a cost of a good discover—a successful, post of the circ. As a cost of the circ. The war particularly the cost of the circ. As a cost of the circ. The circ. The war particularly the cost of the circ. As a cost of the circ. The circ. The war particularly the cost of the circ. As a cost of the circ. The circ. The circ. The circ. The war particularly the cost of the circ. As a cost of the circ. As a cost of the circ. The circ. The circ. The circ. The circ. The war particularly the cost of the circ. e Pear, and Rores and Co.'s Pears Warmen and Hor

### MINING CORRESPONDENCE

ENGLISH MINES.



Now in hand
December 13.

BIGLEBURE MINING COMPANY.

Dev. 12.—The lode in the 110 fathom level is eight inches wide, and worth 71. per fathom. In the 100 fathom level west the lode is ten inches wide, and worth 121. per fathom; at this level east the lode is small and usproductive; the cross-cut at this level, towards the Flappiack lode, is still driving in hard growed; the lode in the western stopes, in the back of this level, is twenty inches wide, and worth 251, per fathom. In the wings sinking below this level no lode has yet been taken down; the eastern stopes, in the back of ditto, being worked out, we have removed the men, to sink a winze below the minety fathom level. In the eighty and alosty fathom levels, west of Hitchino's short, we are still driving to cut the lode; the lode in the castern stopes, in the back of the latter, is eighteen inches wide, and worth 251, per fathom; the lode in the middle stopes, in the back of ditto, the lode is sixteen inches wide, and worth 251, per fathom. In the eighty fathom level east the lode is fitteen inches wide, with a small proportion of one; in the cross-cut at this level, towards the north lode, we have intersected a branch, shout four inches wide, composed of spar, mundic, and copper out, and producing good stones of the latter; the lode in the stopes, in the back of ditto, is fifteen loches wide, and worth 231, per fathom. In the eighty fathom level east the lode is fourteen inches wide, of mundic and apar, intermixed with ore. It the deep adit, cast of Lady Bram shaft, as lode has yet been taken down. To pitches are without alteration. F. Phillips.

TREGOLLAN MINING COMPANY. Dec. 12.—In extending the sixty-two fathom level, east from engine-shaft, the lode is three wide in the over part, and producing four tons of ore per fathom; the lode going west, at this level, is also large, and producing about the same quantity of ore per fathom; the ground in these cade is very fathoms and quantity of ore, but I expect the end will shortly become more productive, as we have good ore ground, couning down from the forty fathom level, before it. There is nothing new to report from the tribute department.

J. Ninnis.

report from the tribute department.

UNITED HILLS WINING COMPANY.

Dec. 13.—Seventy Fathem Level—In the easters end the lode is three feet wide, one foot perducing ore of fair quality; western end, the lode is large, and one foot perducing ore. Sixty Fathem Level—In the easters end the lode is five feet wide, coarse in quality; western end, lode four feet wide, two and a half feet producing good ore. Fifty Fathem Level—Lode four feet wide, three feet of which is good ore. James' Shaft—Lode three feet wide, eighteen inches good ore. Forty Fathem Level—Lode four feet wide, producing some stones of ore. No particular alteration in the pitches; those in the back of the sixty and fifty fathem levels are looking very well, particularly in the sixty.

S. H. PRARCE. W. RICHARDS. N. LANGOON.

8. H. PRARCE. W. HICHARDS. N. LANGON.
TRETOIL MINING COMPANY.

Dec. 12.—The lode in the forty fathom level, cast of Williams's shaft, is sixteen inches wide—very good tribute ground. The lode in Henwood's shaft, taking under the forty fathom level, east of Henwood's shaft, is six inches wide—very good tribute ground. The lode in the forty fathom level, east of Henwood's shaft, is eight teen inches wide—good tribute ground. The lode in the thirty fathom level, east of Henwood's shaft, is one foot wide, producing good stones of ore. We have not set discovered any more lode in driving south on the cross-course at this level. The tin lode which we are stoping in the back of the adit, east of Morcom.

WEST WHALL LEWIS. MINISTER ASSOCIATION.

WEST WHEAL JEWEL MINIO ASSOCIATION.

Dec. 12.—The ground in the eighty five cross-cut south is much the same for driving, and we are getting near the nouth branch. The averaty cast, on the nouth branch, is worth 35, per fathous: ditto west, has not been taken down in the week, but the ground is more favourable for driving. The fitty seven cast is worth 15f, per fathous on the most have under this level is worth 20f, per fathous. No other and or wings taken down since our last.

TREELING COMPANY.

Dec. 10.—The eighty, oast of Cariston, is eighteen inches wide, kindly.

and or winge taken down since our rast.

TRRLEGH CONSOLA MINIMO COMPANY.

Dec. 10.—The eighty, cost of Christne, is eighteen inches wide, kindly, but little over it his level is dissorbered again by a cross-course; at this level west we have not yet out the inde. At the seventy west the lode is worth al., per fathoms. At the sixty west we are devined to get under Garden's shaft. The firty west is two and a half feet wide, some good ore, and a kindly lode. The furty west is worth 6i, per fathoms, for fathoms. The thirty-four is worth from 6i, to 7L per fathoms.

W. SYMENN.

Doc. 12.—The inde in the seventy fathom brest, driving west of the engine-shaft, is two first wide, componed of spar, mandle, &c. The lode in the sixty and west is two first wide, visibling good work; this level is now extended as far west at the visce, shaking below the fifty, we are now rising to communicate the came; in the name winer, shaking, we have still good below. The fifty fathom lovel, west of Murray's shaft, is favourable for driving yielding a little ore. We shall sample on Friday sunt, about fortytoos of ore.

JOHN WERS.

FAMAR RILVER-LEAD MINING COMPANY.

Does 12.—In the 155 fathous level the ground is again more favourable for driving; the hole is about one float wide, producing a small quantity of ore. In the 135 fathous level the ground is again more favourable for driving; the hole is about one float wide, producing a small quantity of ore. In the 135 fathous level the inde is eighteen lookes wide, one fact of which is over. In the 106 fathous level the hole is three fleet in width, axing work. In the sighty-five fathous hevel the look is small and poor. In the servery-five fathous level the look is now five, carrying a small branch of ore. In the sixty-five fathous hevel the hole is eightness inches in which, carrying two branches of siver-lood ore. In the fifty-five fathous level the long is one finat in which, chiefly composed of finor-sper, intermined with silver-load ore. In the tribuce department we are, in general, looking well, and the men are weathing with apoid. We sold on Saturday last, the 10th inchest, a parcel of silver-load ore, companed firty-serves tone, at 901 per ton. At the north mine the engine-shall is now about two-year of fathous helps the milit; the ground is not quite so fatureable for slaking. J. Spanou's.

\*\*Exempter Mexicus Company.

the solit; the greened is not quite so farourable for slaking. J. Spanuts.

PINCHOFF MINIMO COMPANY.

Lee, 12.—The look is the sixty fatheon level cast is about two and a half feat white, still plateboing good qualify even, worth 15t, per fatheon; the look is the same level west is two styl justed wide, six inches on the senth side good quality even, worth 15t, per fatheon. We shall commerce staking new cogine staff, below the striy fatheons level, to moreow. The locks in the rise, to back of fifty fatheons bred west, is two sand a half feet wide, of good quality see, worth from 60t, to 19th, per fatheon. In the whole sinking below the fifty, to the cost of shall, the orde is twenty lactes wide, worth 15t, per fatheon. The wings sinking below the force; to the west of shall, going drew as rise in hand of fifty, is worth ctd. poer fatheon. The facty went is ylaiding good strongs of eer, and very permitting. The facty sand on new inde, to the reast of castern orner-content, has a more insert kindly appertunct for ore than horestaken. One to-become are weeking with spirit, and are likely to get fair wages. Palmer's shall is about two soule half fatheons. The fifty few is extended west on filtest Pricel could half fatheons. The fifty few is extended west on filtest Pricel coulds his or whose fatheons below the fifty few; sinking in former-bir greened, with new water at hottome. The fifty few is extended west on filtest Pricel coulds look in this exist. Taking everything into account, our propayeds are very consessinging.

FOREIGEN MINES.

and in parts so small, that the returns from it were inconsiderable, and it was otherly impossible to work it, or in large the stuff superate from that of the contrary folds. In that part below the eighty fathom level, where that mile had failled together in February last, the inde was described to me by the agents, Captains Thomps and Hostins, as well as by Mr. Crowe, as being since feet brind, and of vary good quality; the difficulty of reaching this portion of the looks in considerable, so that many months may elapse before any ore can be raised from it, and a still longer period before the important point can be ascertaised, whether Woodfall's lode will again assume a regular productive character, and the graund become compact. As it is at present, also not liquid to be kept close to the end. That this ground may is depth again become compact, is far from improbable, and two of the eleverate display of Norway expressed to use a decided agains on a this head, will their put a mittaken one. Ralpas has also fallen of, and there is, at present, object of Norway expressed to use a decided agains on a this head, will their put to a mittaken one. Ralpas has also fallen of, and there is, at present, object is not doubt, at the present rate of working, there are actual reserves for soor than one year, whilst we are extending our workings, and any new discovery may give an increased produce. A new hole had been broken into the beginning of September, and was returning very good ore, but too little has been done to enable me to give an epision as to fit being likely to turn out to get a position, that they, even on a recluding the owner, and was returning appearance, but here also the workings, and as melting the over, I was, unfortunately, obliged to come to the conclusion, that they, even on a reduced sacle of wiring, could not be earlied on which are divided as particularly of a very promising appearance, but here also the workings, and the coit of raising, desaying, which are still 22 per ton, or some improvement

prove to be as represented, as the most variance or adapted for mixing with the Raipas ores. The proprietors of these mises would be willing to sell them, or to units with the proprietors of the Alten mines.

The surface works at Alten are now in admirable order; the straking taking are found to be well adapted for cleaning a partion of the stamped stuff; the railroads and other arrangements which have been added within the last two years, all seem very well adapted to the ends in view, and, had the circumstances of the association been otherwise, the outlay would, no doubt, have been judicious. The great disappointment that has arrisen from the small quantity of copper now received, arises from the delay at the commencement of the summer, caused by the rebuilding of acasty all the smelting-furances. Had this not been occeasary, probably seventy tons would have been shipped by the Fiso. All the smelting-furances are now in excellent order, and will not probably require any thorough repairs for twelve months to come. Before concluding this short report, I have stall to add, that, in conformity with your views, I have made arrangements with the superintendent of the works to limit the operations at the Kaafoord mines to such a supply of ores as may be required at the smelting-house for converting the ores already backer inhomogenes, at the lowest cost for smelting, for which only such cres will be averable and the supplying fluxible ores can be obtained from other lodes for their conversion into copper. It is evident that this arrangement has in view principally the realisation of the stores and materials existing at Alten, and that of obtaining copper from the cores and materials existing at Alten, and that of obtaining copper from the over already relaced, but I am not without some hopes, even whilst those limited operations are pursuing, that yet some new discovery may be made, and enhance the present depreciated value of our properties in Finmarken.

MINING NOTICES.

MINING NOTICES.

LEAD MINES IN CARBIDANSHIRE—(From a Correspondent),—Operations in this county are rapidly extending, with every prospect of success. The misses of Noat-y-Crie, Esqu's Mwys, and Graig Gook, hald by Messes. Crockford and Salmon, are progressing with every prospect of success, indeed, profitable returns are making from the former, the latter not bring sufficiently opened, to arrive at any satisfactory results. The index at Graig Gock, which is parallel with the celebrated Cwm Ystwith Mine, has been cut, and the caption is about being erected at Esquar Mwys—a miss which has yielded large profits at its former workings.

LEAD MINES IN ABRAYOTWITH.—The load mines in this neighbourhood are in a most flourishing state. Amongst the mines recently discovered in that of Abereffred, the property of Roderick Richards, Esq., of Penglains, worked by Messes. Parry and Attwood, solicities, of this town. The mine is likely to be a source of immense value to the propertor of the land, and is the spirited lessees. They have already brought into the storehouse at the place several tons of load ore, of excellent quality.—Combriso.

Anoveness of Archivity, see again about to be worked with more vigour themes and then the returner of Archivity, are again about to be worked with more vigour themes.

An unfurtuants difference that occurred in the company last runners.

ARPTULAY COPPER MINER.—We are enabled to state that the rich or per mines of Ardtolly, are again about to be worked with more vigour the ever. An undertunate difference that occurred in the causpany last wammer anneal a suspension of operations, and then the retiring of Mr. Cornish, what the sole unamagement of the affairs of the Kenmare Mining Association as treative, prevented them from proceeding natal he was got risk of by a for if law, having been mode a bankrupt and outlawed. R. W. Sicrier, Ento whom the campany have condited the management of the concern, is do exposted at Kenmare, to give directions for the most entrastry working of it mans, which have already been resumed, giving employment to humbred-Limerick Chronoide.

VALUABLE DESCOURTY OF COAL.—Not less than six very valuable beef coal, from three to nice feat in thickness, with a seam of enamel and, he been lately discovered in the Readity demeans extate, adjusting the Not Union Residence Mandad.

MINE ACCIDENTS.

MINE ACCIDENT'S.

Flowery Field Colliery.—On Turnday as William Bredbury, uged ninet
was descending the inclined phase in this reditory, acother miner was he
an empty wagges on to the endiese chain, which missed its hold, and
scending with great velocity, struck the unfortunate young man so sev
on the bend, that he died shortly afterwards. At the inquest which was
radeoquently, the jury, observing that no regulations were made by the
printers for the safe descent and meant of the miners, levied a decimal of
the chain, and he on the wagen.

printers for the and descent and around of the miners, levied a decidard of files the clasic, and ha, on the wagges.

Meliand Mine.—A large breakings fall with a transradors creat, on Friday work 1 fortunately, the workment and losh the shaft, or the affects would meet likely have been disastrous.

Group, Murvistan.—On Friday work, Thomas Lingd was killed in the Park livel, on the Genig, by the reof partially falling in 2 hs, with some albert measure filing a trans. when the acceleration falling in a transport, by the falling in of about three to the state of the collings, and Maryport, by the falling in of about three to the fall by which a young men of the name of faulth, who was ordinary ander and it like collings, and Mines.—M. Thomas next with his death, a few days since, by a stall falling appearance in the stall for many the falling the file.

Alfredon.—As S. Parker was recenting a wagges down the gang way in the pin, the wagges full spon his need and shoulders, and pressed his local law when at work.

Meriningson.—Entity Joses was killed by a black of immediate falling on his when at work.

Britaingson.—S. Hywkina accidentally fell down the shaft of an immeter pit, soot, striking is a level spin the cord at the bottom, he continued mask some acques as shortly in common his death.

INCREMEN BARCA OF GRANCES,... There is just headed at Mr. Tuckell's where, Greenwich, an incomess block of grances, from the Heyser Company's question as Foggistes, Dartasses, measuring 10 it, 6 in, equive and weighing twenty-two tone. It is intended to be used as a opening for a measuriness in Kansai-green Cometery.

A more respective and for linked in aix more the mine of one fit is proto whose for built mity of transact in the corresponding of the FLOA

torians, limiting of in water be held i enally cur for custic in the na M. Ehrer tions of years, in in own to

shells for facility, a prob. 7 prob. 7 prob. 7 prob. 7 prob. 7 prob. 7 problem into the title for tempine of besting for tempine of besting for tempine of besting for tempine of besting for tempine of weight which was

IRON TRADE IN SCOTLAND.

In the present state of the iron manufacture, and at a time when, from the grance of accison, a continuous supply of this staple commodity of Great Prizate may be existed upon, every information bearing upon the subject must preve interesting. While the iron districts of South Weles and England have been as rapidly advancing, but in the quantity made, and in scientific knowledge, to enable them to insure quality, Soutland has not been idle. The production of iron in Soutland was 37,400 tons in the year 1830; it has since goes forward increasing till it associated to 300,000 tons, or cancily right times the quantity produced in 1830. The prevent rate of production is 270,000 tons, per anxieve, who has given more attention to the statistics of the Soutch iron master, who has given more attention to the statistics of the Soutch iron master, who has given more attention to the statistics of the Soutch iron trads than any other was. So that Soutland alone now produces more, by about 30,000 tons in a year, than all Great Hritals produced in the year 1804. The rich ore, called the black-boad ironatione, is worked at soull cost. The average strength of all the ores worked in Soutland at present, is about 33 per ent., and, in greared, lie convenient for railway or canal carriage. The average strength of all the ores worked in Soutland at present, is about 33 per ent. and it is about 34. 6d, per ton; and an evidence of the increase "vilve of lead, is given from the fact of an estate at Airdria, fittees T. a sage, being offered for 15,600i., which now produces from 14,000i. to 2,000i. per assum. The broa trade has always boen considered one of the affect, sounders, and most enduring of our commercial atterest; and sorry shall we be, if the time should arrive, when, from distinished operations of railways, and other large outlets for list a production, we should have to contempt for all the production of the content of the c

ning, or the carliting is an incomliting is an furcoinliting is an furliting is an income
liting is

\*\*

-

-

pear to us rational and important, may be at a manger by dev discoverse and inventions, which may so lessen the cost of production, as to reader British tron adminished into foreign countries, notwithstanding hostile tariffs."

ECONOMY IN THE WORKING OF RAILWAYS.

During now twelve years experience since the opening of the Liverpool and Manchester line, the railway engineer has been gaining knowledge from practice, and continuous efforts have been making to lessen the amount of locomotive cost with various success. It does appear an extraordisary fact, that the working cost so some lines is actually double that of others, principally arising from the difference in the coasumption of fuel. We believe the average quantity of coke used on the English lines is 40 lbs. per mile, while some few englise, we have been informed, will consume even considerably more than that; but as we now know that it is possible to erect and englise, whose consumption will not exceed 20 lbs. per mile, and yet, with a measurem look at a speed varying from thirty to fifty miles per hour, we think it behaves railway engineers, and more particularity railway proprietors, to ask why the use of engines on old and expensive systems should be persevered to, when they have at command, by this single item alone, a saving say of 5001, per engine, per anoun. We have been left to these remarks from having seen, in the Mechanics' Maguzine, an account of the performance of the Sateliide, an engine belonging to the London and Brighton Railway Company. She drew well filled train of nine carriages, weighing, with the engine and tender, seventy-five lands; and up the first summit, where the rine is twenty feet per mile, or one in 364, she went aftendily, without any apparent strahaling, at the rate of thirty miles an hour. On other occasions, she has dragged so less than accepted the rain of the remember of the rate of menty a mile per miles, or one in the satelities. The great seed to the supervising only repairs whatever, going off duty in turn one wee

NEW MODE OF RAISING WATER.

[ABSTRACT OF GESCHICATION OF MR. EMELIE'S PATRICE.]

The sheet marked H, represents my improvements in pump work for mines, wells, and other places, exhibiting a vertical section thereof, through a series of lifts, for the purpose of raising water or other liquids a distance of seventy-five feet, or thereshouts. In the construction of this apparatus, I take a into warding and come in the to exclusive positions of the warding and the marking and the marking and the marking and the second of the English lines to all the position, where consequently of the keep of the position, and the second of the English lines to all the position, where consequently of the keep of the position, and the position will not exceed to this post mile, and the position will not exceed to this post mile, and the position will not exceed to this post mile, and the position will not exceed to this post mile, and the position will not exceed to this post mile, and the position of the second to the second to the position of the second to the second to the position of the second to the second to the position of the second to the sec

# PROCEEDINGS OF PUBLIC COMPANIES.

PROCEEDINGS OF PUBLIC COMPANIES.

NATIONAL PROVIDENT INSTITUTION.

The seventh anomal meeting of the members of this institution was a translay, the 18th inst, at their office, Nicholas-lane.

Samuer Hayrursy Lucas, Esq., in the chair.

The usual preliminaries having been gone through, the report of the tors was read by Mr. Marsu (the necessary), from which it appeared in the course of the year just terminated, 56t assurances had been of which was an increase over those effected instruct and a taking into doration the lung-continued depression of trains throughout the conweck greater number them could have been antiqueted—in the men much greater number them could have been antiqueted—in the men much greater number the could have been antiqueted—in the men amount to 3215. The accounts had been duly audited to the 20th interest of the capital stock of the institution was 139,306f. I which was invested with the Commissioners for the Reduction of the No. 15th, and on mortgage conformably to the Acts of Parliament and the of the institution. The annual income arising from promiums and in an assistal in the same date was 39,366f, 5s. 7d. During the past year on account of the decrease of ten members had been substituted and diach amounting to 6300f.—At the conclusion of the report, the following saltery account was read by the secretary:—

No. of Amounty of Amount of the Account of Amount of the Amounting to 6300f.—At the conclusion of the report, the following saltery account was read by the secretary:—

Ym. m	ding			εl	let	180	ina	ĸ.		Perio	ntile	al.	7777	Rin	gle	-		Amous	al.	
Nov. 16.	1836	40				m	100		-	48,091	13		****	£ 4,100	34	2		#19.73B		
03:	1807	88	12	18.8	. 4	<b>L35</b>	. 64			18,879		11	** *	14,344	12			31,500	10	
89	1539	-	٠,	0.81		650	**		. 4.9	17,417	13	11	***	4,896				46.950		100
10	1838	8.8	0.1		- 4	rjin	88	. 89	1 80 18	13,987	9			4,501	- 1	11		64,050	10	18
22	1849	10	18.4		- 4	104	5.4	20	8.6	27,336	18	- 3:	****	5, 115.0	- 1			04.545	18	
10	1841	**	161	141	. 3	187	**	94	× ×	30,663				9,366	18			174,000		-
10	1049	-	A	1	. 1	164	-		- 0.9	23,491	10			1,136	19	28	4.00	130,500	T.	7

Total number . 2211

A MERICAN wished to know when the directors would be read the division of profits !—The CHAIRMAN boped about the amonth.—In reply to another member, the CHAIRMAN said he new presides in Gracechurch-street would be ready for once spring of the coming year, and he had no doubt the members them not only eligible and commodiums, but also an economical for the institution.

The report having been adopted, the former directors, and als Marsh (the secretary), were re-elected, who were tendered as for their able management of the affairs of the institution.

A vote of thanks was also passed to the medical directors and likewise to the chairman, for presiding on the occasion, when terminated.

Marsh (the necretary), were re-elected, who were tendered a vote of than for their able management of the affairs of the institution.

A vote of thanks was size passed to the medical directors and anolitors, as the management of thanks was size passed to the medical directors and anolitors, as the medical directors and the management of the salines, resident in Newmants, Galvabar (Marsh 1997).

A meeting of properiors of this railency, resident in Newmants, Galvabar (Marsh 1997), and an eighbourhood, much size the sea salied, to emak them to discuss what measures should be adopted, to promote the latered of the great understaking in which they had allembarted, it was obvious the them assagement had not been what it ought to have been, but without a re-intension is the measures should be adopted, to promote the latered of the great understaking in which they had allembarted, it was obvious the the meanagement had not been what it ought to have been, but without a train of good canagement, and be between, studing a thin understaking sid, in a great truth line of communication, it was considered by the substantial of the properiod of the properiod

TRAMS FOR LICENSES FOR WRELTING SELVE,
THE COMBINATION OF ANTHRACITE AND HEATED AIR, MAY B
IAD BY APPLICATION TO THE SOLUTIORS OF THE PATENTER,
IMMER. WATKING AND HOOPER, 11, SACKVILLE-STREET, LONDON.

y the use of this process, it is believed that the whole of the veloc of eathers in theilmost, Welch Basis, amounting in the aggregate to \$15 hest in thick, are aggingable to the purpose; all those above, and including the brack vol g sensity of feet of the whole, here been unconsulating used by the patentes be Yala-edwyn Iron Works, next Swance.

In consumption of architectle in the mostling process, has varied from \$2.0 wit, per too of two, new rolong to the vells in use.

I had called, the average consumption has been from 2 to 9 cwt of inferious conductions.

ing process, has varied from 27 to

with respect to the strength of BOT-BLAST Authoridis Iron, the public are re-read to the short-hand writer's report of the oridenee given on the trial is the moneton Finns, Feb. 11, 14p, in the cases, "Crane c. Price," Falls 21.—14c. David Mochet deposed, that be had takes a similar ceries of have times described and made one of by Mr. Trespoid, for which see his service spec-sadject; the same sixed hars of cressited COLD-BLAST CAST-ROOM, which ends only support 175 lim., revolved 2-94 lim. to break them, when and with re-elted BOT-BLAST ANTHRACUTE IRON. Fe-Sco 17 and 2.—der. George Cottons stoked in his evidence, that, with have four it betwint the copports, and one lack space, the following bad been the result

DATENT ELASTIC STEEL IRON, MADE (EXCLUSIVELY by the NTALLYPRIA IRON COMPANY, by the USE OF ANTHRACTY.

AL WITH COLD-BLART — Mr. Muchat, the aethor of the celebrated Treation on

Manufacture of from and Meet, who has made a certical dreated caperents on this extraordinary from, in cocefforing, remarks — From these and the

new comparative caperiments, it is advantantly evident, that the pig-iron new

Manufacture of the caperiments is not advantantly evident, that the pig-iron new

Manufacture of the caperiments is not advantantly evident, that the pig-iron new of and anth I manifestered in the treatment appearant projects referred to, to one of great spring; charterly, which communicates a tendency to the har in deflection and, to resemb its restlictors from. Since that had chartened permanents to of an inch. when afterwards bridge, presented but a night deviation table line, and in me case did the considered envistance exceed one, fourth of it was also remarked, that must do the fractions in breaking presented by of grain throughout, resembling the directors of one-bridge deviation. (Signed)

"DAVID MURHET."

drawn from Mr. Mushet's trials and report from se cast from the torsace, is 26 to 100

red and sold by the Patrotees, BICEPORD, SMITH, and DAVE.

UROPEAN LIFE INSURANCE COMPANY

PRESCRIPT NO JAMES RIVETY CARNAC, East, Reak COF, Lymington Vice-Passinker—GEORGE PURBER, Eng. 6, Pitting opens.

with rest to receive the control of the rises and the rises are received possity, but ready, a signs as become in the received grade. The moved for the ready, a sign is the profits reading of the receiving scale. The moved for the ready, and is the profits reading to the read emissions in other and party is the profits reading. A liberal emissions in other and party is the profits reading and the read of the read o

THE COMOSTON STREET, Empresons by special Act of Pacific

THOMAS FARNCING, Eng., Ablancesan, Chairman.
U15.LIAM LEAF, Eng., Deposity Chairman.
Sectors, Eng., J. Houngherry, Eng., Aid., M. P.
Hayart Lugdents, Eng., Len., Len

Tyens of Life

conserve for anti-section of secretary on entractive fire dutter, or an a perception the obstacle that head spicerostic continuity to described the threat percent and recognitions the foreign and the performance of processing the continuity spice and the continuity of the performance of continuity of the continuity of the performance of continuity of the continuity of t

A Sharal executivities to a di

AMP AND OIL PHENOMENA, AND NO PUFF.-CEARN ERG BY COUNTY AL PERS COM, JIL 670.5 copyline times for each fill send this SP LAMPS or employee times for each fill send the proapplication to lightening conductors, with models and identrations, will take
ON WEDNERDAY NEXY, the 21st last. The chair will be taken a price-

URHAM AND SUNDERLAND RAILWAY .- TO IRON

DESCRIANTS, OLLMEN, AND OTHERS.—The directors of the companies described of RECEIVING TENDERS from parties who may be willing to CONTRACT for the empiry of the conden-encollisies articles admire the consing year-viz.: MALLEABLE IRON EASILS, BOLLER PLATES, SAS-IRON (fast and round) IRON CARTINGS, GREENLAND WHALE and RAPE OIL, TALLOW, HEMP, CANDLES, and SPUN YARE.—The erticles to be delivered at the company's store-house, on Stonderland Moor (free of expense), one of a sich times, and in such quantities, on the disputers one, special.

of Tucoday, the pro-

ASTERN COUNTIES RAILWAY COMPANY.—The directors are READY to RECKIVE TENDERS for LOAMS of MONEY, to be secred by the the Loam Seates of the company, bearing loterest at a per cent, payable held-practy.—The residen to be for same of not true than deep per control, pe

THE "HINDOSTAN" STEAM-SHIP AND H.M. FRIGATE "FENELOPE."—The two above-assest grand steam-ships are entirely to ANDREW EMITICS PATENT WICE BOPE for their Standing Sigging;

STEAM TO CORK, calling at PLYMOUTH and FALMOUTH.

—The RT. GEURGIE RIRAM—PACKET COAFANY'S oplended and powerfus steam-ship TIMER. 700 tone and 3m-backet survey. Captain S. S. MOWER, w.ii
RAIL FROM OFF RT. KATHARISE'S DOCKS, for the ABOVE PORTS, or
MATUTEDAY, the 21th inst., at KIGHI COCLOCK in the snorming.—Further particulars addressed on application at the Served Rage, Regency Circus, Piccadilly, 38,
Haynowket; or at the fitness.—Packet Office, 127, Lendenhall-street.

\*.\* All heavy goods for oblussent to be sent to the St. George literam w Lower East SouthWeld.

DENINSULAR AND ORIENTAL STEAM NAVIGATION COMPANY, incorporated by Royal Charter, -Notice is hereby given, that FOURTIE HALF-YEAR'S DIVIDEND OF THREE AND A HALF PER CENT idered of the Annual General Meeting of the proportions on the ofth Movember, for the six meetine ending lette or September, will be FAID at the offices of the space, h. St. Mary Ane, or, to frich assess rivers, at the offices of decara. Richard in the offices of the control of the offices of the illiance and Son, of, Dame-street, Down, at ween the hours of Eleven and Three each day, JAMES ALLAN, SON

NATIONAL PROVINCIAL BANK OF ENGLAND, circetors of the National Provincial Bank of England do hereby give notice, at a DIVIDEND, at the rate or REX PER CENT, per anason, for the hard-year ding the stat Becomber, will be payable on the company's stock on and after the thord January nest, whom the dividend warrants can be obtained on application the company's office, or at the different branches. The transfer books with meet on and offer Monday, the 27th last, satil the dividend becomes payable By order of the coart of directors.

117. Sinkopagate-street, London, Due. 13.

A NGLO-MEXICAN MINT.—Notice is hereby given, that a spretal GENERAL MENTING of shareholders of the Augle Mexican Mint company will be held at their office on Wednesday, the 4th of January next, to nike into correlatoration the expedience of raisons additional capital for the paragraph of the company.—The chair will be taken at Two o'wherk progressly. G. B. LORROALE, Security

Anglo Mexican Mint Office, New Brund-street, London, Dec. 17.

OYAL SANTIAGO MINING COMPANY.—Notice is hereby given, that the GERERAL MERTING of the shareholders will be belot at his solice of the company, on Wednesday, the 4th of January next, at the opportunity, when the directors will make their report and declace a dividend. 39, Broad-street-buildings, Dec. 16.

THE YANKEE GEOLOGIST.—A "Constant Reader" is in-formed, that, by ADDRESSING a LINK to "A. B.," OFFICE FOR PATENTS, Chasteory-issue, stating when odd where as INTERVIEW can be HAD, a wal-tin all the indomenation he desires relative to the above investion.

R. HENRY ENGLISH, at the suggestion of several friends interested in Mining Operations, having determined on taking upon a sciness of MLNSEAL SURVEYOR and ENTATE AGENT, will be ha take the servey Orany Mineral Property, or negotiations for purchase of the same.

Me. Rughts has a colled himself of the services of experienced agents of high re-plie in Ungowalf, North and dought Wales, and frained, as also in the North, with a view to the examination of agines and entileties, and reporting thereon, he has serveys may be confidently submitted, and their openions taken on the se-

Mr. Hoglish is authorised to pearwas or -

One share in Tremarea Mine, Curawali, One share, or turn't park, in the game Mine, Cardiganshire, An interest in Crurer Separation in the same distinct—dash i Nosam contine, ob-leach extender, with two beauty, &c. Turney, one fatheams of it-leach pramps. White contine, at lanch, donble power, o-fact stroke, with vitine, &c.

erston, Av.
Piscoping engine, of inch cylinder, 5-lood stroke in cylinder, exclusive of bolier.
Poscoping engine inch viv. e-borrer pover, with cast from stamps, axiosing twon'r so looks from stamps, axiosing twon'r so looks from the stamps, from the stamps, belong to both the dispussed of these stamps, axios, fire

TO CAPITALISTS.

The proprietor of a collicer in the locality of Newcastle.oe. T to meet with two or three parties willing to invest a time to a

ATO QUARAT.—The proprietor of a shale quarty in the neighbourhood of in decrement distanting of an inferent on highly advantageous torses; if to will occure a really valuation property.

y.—An opportunity is allowed to expression to context, so a servicement in fuerth, Wairs. Breezy particular will be adverted to use a requiring the name, or per and application to Nr. English.

1 to the Manuscherus of Inna.—Mr. English has audiosely to with incommenters, or oughtainer, for the discussed, wheely, or in particular commenters in the straining of from withrests a considerable across per considerable across to higher the processes in the straining of the withrest of the considerable across to higher the considerable across the objects in the introductions of the processes, discuss toward with the considerable of the processes, discuss toward with the considerable of the processes.

AVOREW SMITH'S PATENT WIRE BOPG.

SHERFORD, SMILES, AND DAVET'S PATENT SAPERY PURS

MARGINAT'S PATENT SULPSIATE OF CUPPER FOR PARRENTATION OF STABLE IN MINES, AND OF RALEWAYS.

ESSAR MWTN and DNIAR DC LEAD MINES, Cardigan

hydric Atmiron Francis and Chylain Melobert Prayers, on these mines, with the mporten of the Company, may be had on application to Mr. English, Bloomy Joseph (1980s, 21, Flood-advent, 2001-12,

DREVENTION OF SMOKE - NOTICE IS HEREBY GIVEN. had retricte place; practiced to Mr. Scienced Science, of Strugt in, for historicalized do to Presidence, on as to coder the differen-gly the presidence percentage of the fine, in produces executivement con-No. of the willing a comment of the of the or the o

# THE MINING JOURNAL, Mailway and Commercial Gasette.

LONDON, DECEMBER 17, 1842.

It is highly gratifying to find that Mr. Budd, as representing the Ystalyfera Company, has at once assented to the proposition of submitted—that of testing the relative properties of hot and colding in the use of anthracite in the smelting of tron, by subscribing in Fifty Pounds to the proof of the superiority of the one over the other—thus affording the means, so far as he is concerted, of putting to the test the merits of cold-hinst over that of hot-blast. If we were pleased at the offer of Mr. Chank, conveyed through our columns of last week, we must confess we are equally so at the ready manner in which Mr. Budd has met—that which might almost be considered as a challenge. We observe that a correspondent differs with our views—this we cannot help; all mens' minds are differs with our views—this we cannot help; all mens' minds are most be considered as a chairings. We observe that a correspondent differs with our views—this we cannot help; all mens' minds are not alike composed, and, although the Scotch may be indisposed to advance their money (for they are "canny" folk), or to tell as all they do—for ourselves, we would willingly confine the question to the anthracite district. One Hundred Pounds has already been subarribed—let that sum be increased to Two Hundred and Fifty, when the subscriptions of the mineral executions and the South Wales. by the subscriptions of the mineral proprietors and the South Wales Anthracite Association, and we will undertake that the proof shall be rendered manifest, as to the merits of the one or other patent, and this once known and understood, their Swansea Valley may then vie with any other district in the United Kingdom. It depends on those whose interests are concerned, whether they will "help themselves."

Our attention has been drawn by a correspondent to a subject which we thought had been long since committed to the "tomb of the Caputhe," but, as it has been revived, and is one, not only of interest, but that the letter reflects upon ourselves (although in a most gracious manner), we must needs resume the subject, in doing most gracious manner), we must needs resume the subject, in doing which our only desire can be, that of placing the respected gentleman whose name is put forward, and ourselves, right with our readers. It will be remembered, that, some months since, Mr. Basser—for reasons, we admit, highly praiseworthy, from the position that gentleman holds in the county of Cornwail (although we could not then, nor can we now, allow his premises to be correct)—published a pamphlet, entitled Observetious on Cornish Mining, the object of which was to allay the fears of the Cornish miner as to the destructive effects which the new tariff were conceived by many to be likely to have on the mining interest. It is inutile, on our part, to resterate the opinions we have so oft expressed, and, as the letter of our correspondent, "A Cornishman," merely pins us to one point as matter of fact (while all others must be considered as matters of opinion)—that is as to the effects which the tariff is calculated to produce, we will at once take the pamphlet again in hand, and see to produce, we will at once take the pamphlet again in hand, and see whether there are sufficient grounds to warrant the statement of "A Cornishman." Having reperused the pamphlet (not for the first, second, or third time), we must state, that we cannot withdraw one Cornishman." Having reperused the pamphlet (not for the first, second, or third time), we must state, that we cannot withdraw one iota from the expressions conveyed in the review of which complaint is made. The paragraph referred to, at page 15, while it declares that the writer is "no free trade;" at the same time states, that "if by the principle of free trade is meant, as I conceive, relaxations of restrictions on commerce. I may safely rafer to my past conduct to prove that I am no enemy to such, what properly applied." It is true that, in reading this paragraph, so did take the view abstractedly, that "a relaxation of restrictions on commerce "approached very closely, if not allied to, the principles of free trade; but, as we are assured by our correspondent that Mr. Bassar meant alone those "relaxations" which would apply to reciprocity of dealing with foreign nations, we have only to express our regret we should have misunderstood the meaning of the writer of the pamphlet. We feel that, in endeavouring to effect the one object, he did not reflect on the expressions he made use of, not at the mosupposing that the mining community, or any one taking an interest for them, should so have measured his words. A fair reciprocal system, with security to this country as regards its own resources, we are ready to concede, and thus the objection raised to the observations of Mr. Bassar, as construed by us, is obliterated. We now believe, from the assurance given, that Mr. Bassar goes with us, and we have only to express our tegret, if, that by any remarks (which, however, he called upon himself), we have prejudiced him in the minds of any. in the minds of any.

We find, by late advices received from Madrid, that a composition has arisen for working the celebrated Quicksilver Mines of Almaden, which, as our readers are aware, yield a large revenue to the Spanish Government (lately held by the house of Rottes-curred), and from which the helders of Spanish hends have to look, in a great measure, to the remittances for payment of dividends on the leans advanged by this country. It is stated, but with what truth we know not, for we are not disposed to place much confidence in the honesty or straight forward dealing of the Spanish Minister, that he is acting, in the present instance, regardless of all pricate influence (a statement which at once establishes the justice of the opinion we entertain); in consequence of which, the Government is likely to obtain far better terms than hecetofore. This may be good news to the bondholders, but how it will be received by those who are dependent on quick-silver in reducing their ores in Mexico and other districts, we will not say, although, we fear, it will have a considerable influence on the profits which the share-holders have been led to look forward to of late. The project for conducting the sale of the quick-silver through the Bank of San Fernonzers have meen ted to note forward to of late. The project for conducting the sale of the quick-silver through the Bank of San Farnando, appears to have gone off, for reasons with which we are unacquainted; and a tender is said to have been put in direct to the Minister (Senor Callaviava) by Menra. Roysinchia: — the terms being a considerable advance on their last contract, which has been followed by a proposal on the part of other London espitalists, offering even higher terms. Such is the report; it being further state that, at the public section, to which the Minister of Finance is bosse to subsait the construct for verking these micro for the ensuin seven years, the produce of which is estimated at 140,000 quintal a tender of 65 dullars the quintal will be given; the terms bein 100,000 immediately on the trader being accepted and the accept 100,000, immediately on the transfer being accepted and the auction annualized, and a further sum of 900,000, in twolve mouthly it, at almosts. It is forther engaged, that the porty or contracting the layer years of the contract, to provide the massacry funds for the mucking of the mines and the transport of the quickelver to Section—making in all 1,550,000, to be advanced in hard cash !—no small som to be embarked in Spanish mines by English espitalists.

In addition to these torus, we dod it is further provided, that, or men as the infeasion, as the infeasion, amounting to a million and a half obeling, shall have been required (with inferent, we previous) be the delivery

shall have been repaid (with interest, we presume) by the d of quicksilver, that each quantity shall be paid for within eight days after its delivery in Serille.

Such are the terms stand as the basis of the progened contract; whether they are put forward as a "feeler," we know not, but we

port of adjour 10th is and the serves. Wood is Wood that is the serves to the serves t

Tuo:

are n days Alder

cond Iron

the ci and h he evi dermi men t him, i

nfany Lie ch

C INTE other

Aecor.

dinarily of some ings are one our colo merit or provend, the thin province is twenty being or fection. Mr. H.a. case and that it is boson, is dire, it

have our suspicions—more particularly as advices, under like date (2d inst.), state that the money for the payment of the dividends on the stock of the Capitalized Coupons of the 5 per Centa., has been forwarded to London. If such be the riches of the mines of Almaden, we can well imagine that capitalists here should direct their attention to mines in Spain, and more especially to those where quick-silver is known to exist, although in comparative limited quantities—so far as they have yet been developed—while a rise in the price of the article will, doubtless, lead to further operations in other parts of Spain; many surveys, with this object, having of late been made, but with the results of which we are unnequalited.

Since writing the foregoing, letters under date the 4th inst. have

made, but with the results of which we are unacquainted.

Since writing the foregoing, letters under date the 4th inst. have been received, from which we learn that a new offer has been made by the Bank of San Fernando for the loan required of 400,000 proposing, if that offer was favourably received, to take the quiel-aliver of the Almaden Mines at 75 dollars per quintal—terms which before had never been thought of by any competitor. The agent for the London houses, adverted to above, has, we understand, increased his first offer, and proposed to advance 1,000,000. sterling in the first year in money, and to keep one-fourth of the produce every year in Seville or Cadia, to be sold to the Spanish merchants for America. Truly, this quicksilver business is a matter of some moment.

We have endeavoured to collect some data of interest relative to the consumption and cost of quicksilver at the mining establish-ments in Mexico, and which, we regret, we are unable to place bements in Mexico, and which, we regret, we are unaute to place and ignorance of certain accretaries. Our thanks are, however, especially due to the able representatives (holding that office) of the Bolanos, Real del Monte, and United Mexican Companies—the only exceptions—Mr. MAUDE's communication was courteous.

t al-dent

are

all n to been

tent,

ly of in a oing

Mr. po-h we

the is to the

first,

laint

that ions duct

ap-ide; in er icity gret the jeet, mo-

rces, We with

peli-es of enue tus-

with

WEN-

e in er, it

BAE THEFTER

4

The letter of a correspondent, on subject of our remarks on the position of the Carn Brea Mines, and certain parties connected therewith, appears in another column. The writer is well known to us, and we have every reason to place entire confidence in his representations, but we are not equally as ready to admit that the conclusions at which we arrived were erroneous. We have taken every course to ascertain facts—as we are told that we have been guilty of misrepresentation—but without avail. In the absence of such evidence, we adhere to the opinions we have before expressed, while we regret to find that matters are even worse than we imagined. We cannot but deprecate the course pursued by our correspondent, in attenuating to unded the planes. while we regret to find that matters are even worse than we imagined. We cannot but deprecate the course pursued by our correspondent, in attempting to uphold the shares in the way he has done in his letter, while we cannot agree with him as to the merit which he so gratuitously assumes to be due to the one party, for, we all know, "a good bal makes a good captain." There is much, we are satisfied, behind the scenes, and, although the committee decline affording any information, which our correspondent tells us we should acquire, we have no doubt but that, ere our next Number is published, we shall be in a position to say more. We are told that there is a party anxious to traduce the character, not only of individuals, but the mine, who have sinister motives—we have only to say, we know none of them, but we do know the two parties to whom we referred last week. We are still of the same opinion as then expressed—at the same time, it must be understood, that our ramarks did, not apply to Cornish agents generally, but to this particular case. Let the party aggrieved clear himself, if he can—we doubt to the court of his court of his can—we doubt the Court of his can—we do not the court of his can—we

And so—the Court of Aldermen have mot again, to consider the morality of Mr. Ald. THOMAS WOOD, of Talacre notoriety, and have again adjourned, having come to the following Civic-Legislative resolve, specially prepared by the COMMON SHRERANT, as the friend and adviser of the worthy Alderman—a civic functionary.

have again adjourned, having come to the following Civic-Logislative resolve, specially prepared by the Common Shrahant, as the friend and advisor of the worthy Alderman—a civic functionary, for sooth!—

That all documents with respect to any charge to which reference hadre simility in the Court of Alderman about he not be, and accepted by the committee. All Thomas Wood having power reserved to him to refer to any other matters, as accessed might require.

A resolution to which the worthy alderman assented. Just a few words will place this matter in its proper light, and, while Mr. Alf. Thomas Wood complains that the Court of Alderman wish him to stultify himself, let us see whether he and his friend the Serjoant are not endeavouring to stultify others. Mr. Ald. Wood, a few days before the election for the Mayoralty, begs that the Court of Aldermen will inquire as to the morality, if not the honesty, of his conduct in certain matters connected with the Talacre Coal and Iron Company, he having been held up to public exposure through the columns of the Maximo Journal. Thus would not admit of the inquiry, and this he well knew. Well, the election came on, and he was rejected by a large majority of his fellow-peers, although he even voted for himself. What was the consequence?—the alderman was put aside, and he then called upon the Court of Alderman him, so that he might have his character cleared, and left unstained. The court replied that they knew notion their aldermanic capacity, of any charges against the worthy alderman, but if he would anhant the charges, and was anxions to clear himself from the imputations of varyed through the columns of the Miximo Journal, or any other source, they would oblige him (indeed, a duty, under such entered through the columns of the Miximo Journal. An adjournment took place, and the second meeting was held on the 10th instant, a brief notice of which were inserted in the Journal. An adjournment took place, and the second meeting was held on the 10th instant, a brief notice of

THE SMOKE NUISANCE—MR. WILLIAMS AND MR. HALL.

The disputation or discussion between Mr. C. W. Williams and Mr. Sanceri Hall, on "the smoke question," has been brought to a close, both usexpoetedly, and unsatisfactorily, whether the latter he considered with reference to the disputants, or the public. Most certain it is, that the expectations of many braides correles, have been sadly disappointed; after having been leduced to go through the particulars of the birth, parentage, and education of the respective parties, without arriving at any satisfactory results—for the question appears to be as much at issue at the present assent, as when such took upon bimself to wield the pea, and strip his adversary of his bureaucid took upon himself to wield the pea, and strip his adversary of his bureaucid, for reasons best known to himself, and thus left Mr. C. W. Williams in the position of victor—or placed in the situation of replying to his few communication—inc intart gentleman has retired from the resulest, it such could be an designated, when, of inte, the allegations and organization were all mome side. Perhaps the one, or the other may have had in their recollection the lines from Hamilton, that—

He who fights, and rose away.

May live to fight another day.

Be the cause, however, what it may, it is quite clear that Mr. Samuel Hall

service of the control process in the streems of congruent to the control of the In another columns will be found the specification of Mr. Exact it is patented inventions for raising water, whereby, we are further given to understand, a saving of one-half the quantity of field, or disarrily expensioned, is effected. We have not know for an opportunity of seeing the machinery at work, but, having consolided the draw-ing a companying the specification, which we have not know for interest of single specifications, which we have not know for interest of single specifications, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for the specification, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for interest of single specification, which we have not know for single specification of single specification of specification, which is not support to the district of single specification of the specificati

# ORIGINAL CORRESPONDEN

BLACK BAND IRONSTONE.

TO THE SOITOR OF THE MINING JOURNAL.

SIR.—The excitement occasioned by the publication of a Mining Journal of the 25th of last month, respecting the a carboniferous, or black hand, ironations at Beautiot and National itself over South Wales, accompanied by a spirit of discovery, which is hisely to be attended with the most han Aironally a bed of this valuable ironations has been found in district, and forwarded to me for examination; the practic which I give as follows:—Vehicle matter discharged in meaning, consisting of earthon, early Noncommunity of the second state of the second secon

One ton and a half of this bland, band irrordene will, writin a small fraction, make one ton of pig. from the case from the which will be represented by \$1004.5 off, or, in count numbers, by

Two tions used a half of reached intensitions, such as in the consenses use, at an percent, will never used to see one of pig. itsus, the earthy malfer in which will be represented by \$42.44.5 27, or

Two tions and a ball or resident ton of pig iron, the natity mailer in which win be represented by \$42.54\$; 57, 67

Being fully six times as much earthy in the one case as in the other, and, consequently, requiring in the farence an additional quantity of fuel in proportion to that difference. But this is not the only advantage to be derived from using this particular class of inoustances; the quantity of lime-atoms required in the blast-farence being in proportion to the earthy matter in the ore, less than half the quantity would be required in the production of a ton of pig-iron, and the fuel necessary to fire this difference saved. These advantages, however, to their fullest extent, I am of optimism, cannot be derived from the black-band ironstone without the use of hot-blost, for the reasons assigned in my work on iron, p. 424. One very carious, but consistent, feature in this ironstone, considering the district in which it is found, is, that the carboniferous matter exists in the state of anthracits.

Davie Museuer.

Coopined, Dec. 14.

[We propose referring to Mr. Mushet's work in an early Number, immediate attention to which is the less important, as we prevenue it to be in the hands of all who are interested in the iron trains. The discovery of a bed or black-band." in the anthracits district aside to the value of the patents accured for the manufacture of iron by hot, and cold-blant with authenoting twhich as considerable a space in our columns is devoted, and we heartily congratulate Mr. Mushet, on that portion of South Wales, as well as Routland being the field of his discoveries, and, as we hope, that of his success, as we as those who may avail themselves of the result of his practical inquiries as investigation.]

seing the field of his discoveries, and, as we hope, that of his success, as well as those who may avail themsolves of the result of his practical inquiries and lavestigation.)

THE MINING INTEREST—MR. BASRETS PAMPHLET. TO THE EDITOR OF WILL MINING JOURNAL.

Sin,—It has been a matter of carprise to me that in Cornishman has made any remarks in your Journal on your commonts, or review, of My. John Basset's pamphict, and, as you oppose to me to have formed an remarks of your proposed to me to have formed an expension of the principles entertained by that gentleman, I trust to your liberality to give huserion to the present, and to your condustr to admit the correctness of the rives I entertain, should you, on a reportsal of the pumphlet, consider that I am right in my conclusions.

I am perfectly satisfied, had you an intimate acquaintance with the principles of that gentleman, who is no closely identified with the interests of the county of Cornwall generally, and not less, expecially, the mining interest, which you so strongly advocate (and which, therefore, I take as palliative of the opinions you have a pressed in your consoments). If feel assured you would be ready to admit not only that you were in certor, but that you had unwittingly given expression to opinions heatily formed on fallitile grounds. It is not my intention to outer on the subject of the tariff—its advantages or disadvoctages to any natice county. I may have had my apprehensions, which, if not entirely disapelled, yet are aligned, in a great measure, by the experience of the peat few months, as the importation of the county of the county of the county of the peat few months, as the importation of undertained the peat of the peat few months, as the importation of the peat of the peat few months as the heat of the peat few months, as the importation of undertained the peat which, I believe, not only yourself but Mr. Basset's equal to our desires, we ere at least giving emphysment to the working minor the oliver of the peat which, it could be co

In, their prejudices, cartain self-styled civil engineers addicted to lecturing, or cartain gas directors, just now taking great delight in coquetting between hot and cold-blast. As to the question of economy, the menufacturer's accounts will always dispel any doubts he may have on the subject. Nor does the alleged futility of an ironwaster, making experiments with his own iron, afford any good ground for this cosmission. Nothing can be more reasonable than that when his mode of manufacture is attacked, and the character of his iron damnified (and he is concations unjustly), through ignorance, prejudice, interest, or malevolonce, he should take this (the readiest) step, to counteract the probable effects of the imputation; and in publishing his results, he, at once, invites his friends, and challenges his meanies, to verify or refute them by their own experience. Of course, the degree of credit attaching in the first instance to such publications, will, at all times, mainly depend upon the estimation in which the parties issuing them may be held; and we are guided by this feeting in all our transactions, from the most important down to the most insignificant; but it is not the dictum of one mean, or of one set of men, which should invalidate the assertions of persons of credit and respectability. I am ised to make this remark, from having noticed in your paper of insturday, a communication from Mr. Henry Hartop (the very Doctor Slop of het-blast), wherein, he, I think, unfairly, throws out insinuations against the genuinceness of some experiments recently published by you. To conclude, when proprietors or openiators are desirous, through the judgment of capable and disinterested parties, to ascertain the properties and availableness for particular purposes, of out, mineral, Ac.; or the eligibility or otherwise, of any given neethed of manufacture, the commission proposed might be of executed activice; but it would be vain to inditute it with a view, summarily to convince those infinited in hort-blast, that they

COMPARATIVE MERITS OF HOT AND COLD-BLAST IRON.

COMPARATIVE MERITS OF HOT AND COLD-BLAST IRON.

TO THE ENTYME OF THE MINIMO JOURNAL.

Byn,—I observe, in your last publication, that Mr. George Crane, of the Yniscadwyn Iron. Works, has very hundannely responded to your suggestion, of a subscription to be entered boto by the trenumaters of Great Britain, to test whose iron is the best and strongest, and has offered 50f. towards such an object. Piaced as the Ystalyfora cold-blast anthracite iron is, for strength and clasticity, by Mr. Mashet's report, at the head of British tron, I readily follow Mr. George Crane's example, and an willing to subscribe 50f. to a fand to defray the expenses of experiments to be usade on the qualities of the irons manufactured in the United Kingdom. Persuaded, as I am, that nothing has tended an much to prevent anthracite iron from attaining the place it deserves in the estimation of consumers, as the sale under that name of large quantities of infector iron, made with predominant mixturus of coke, I loope the proposed investigation will determine in what proportion, if any, coke can be used with store and it the furnace, without imporverishing the authracite character of the iron. Thenceforward, pertice would, I trust, feel, that to sell as anthracite iron a metal only partially smelesal with that fuel, would be a departure from mercantile precisity and bonour. The tempting facilities which the use of coke with bott-blast gives to run out large quantition of infector iron are well known, and make the strongest precautions necessary. I have sever seen it stated that cold-blast injured the quality of iron, but the contrary has been strongly esserted, and is widely believed of hot-blast, and, if the opinion he well functed, I are no reason why there about he and facility of the hot and cold-iniant processes. Some parties may think that the court of rom is rather the affair of the maker's than of the consensor's, and, although I should naturally profer to delay any public attacement on the subject until I had completed my specificatio

Teladyfore, Itee. 12.

J. P. Be

J.

COMPARATIVE ADVANTAGES OF HOT AND COLD BLAST IRON

OMPARATIVE ADVANTAGES OF HOT AND COLD BLAST IRON. TO THE EDITION OF YES MINISTED JOURNAL.

Sex.,—The letter of "Secoure," which appears in your last week's paper, of the statemeding nature, if his deductions—oe, rather, I might say, his Mitions—be convect, and it is simply with the view of percenting any inapprochamion on the part of those who are not conversant with the application of the hot and could birst that I new draw your attention to that retherman's figures. He totic us, that in preducing 221 tone 185 out, of whem by the could blast, he used 2554 tone of cool, or 10·11, and that the make of 387 tone 18 out, of pig-tone with the hot-blast the conseption of coal was only 1350 tone, or 3.9. I have no right to donbit figures, " statement, as it professors to be taken from the backs, but I next say, that I believe his are the only works where the like quantity of all was very used. Even with bot-blast, I think he had better "make" I was very used. Even with bot-blast, I think he had better "make" been, for it appears with cold-blast he only tun 24 tone 10 out, per work, or the the blast at time. This, with a relative communication of 10·11 if 3.9 of coal, in the shape of coke, could have no very catinfactury roban. Depend upon it, Eu, this is an exception to the general rule, and at one be taken as evolutions of the great or expectantly of the bot-blast, or had business delong by the irremanators.

A Kanna.

30x 1500 to 15.

finit, then 1.3. believe, in custain districts, that a greater quantity of field is encounced others. It is, however, to the ratio of the quantities community sold-blast that we presume "Scottes" whiled to direct attactive.

# ANTHRACITE IRON-HOT AND COLD.BLAST.

New .-- In commence with position, I find a differency in serviced at a setiminatury concellment with transport to the experiments made at the Yaracardwys and Yatalyfors Works (the former being with host-blast, and the
latter with reald) from the electrometeness of their being under different elecardwiness. As Mr. Musher has addressed you can one or more better of
latte, in addition in his very interesting and selectific report, he would,
particular, commenced to give as a rain, whereby, causaning the expectments
at Yainoutheyn to have been trained with once, and the consists as electrometric
as your Januaria of his lead, encount, that we may be able to compare the
layers of Mr. Musher, on iron made with once, and the consists as electrical
as your discounted on the least of continues on the interesting enquits, parameter
at Managham with best and noth-blast, I find the indirecting remain. — Yadale
place antiferentia each other Joid, accordance than It minuted in his histories, with
antiferential each first of the selection of the indirection and code; Yaraiy from antiferentia conductation of the separate three
Yamacabyn, with antiferential advance; I would electrometric on the superincetie of
the former, but as it single is a former, that the inventor of the superincetic of
the former, but as it single is a former than to continue of the superincetic of
the grant were set of the best quality, while there can be no deacht but that
of the passes were noted of the best quality, while there can be not deacht but that on the entropy of the minter for man, common with grantfold, I find a different in arriving at a sa-Kan, walls come andways was not of the best quality, while those can be one deabt but that of the spher weeks was . I think the only feet could of majing the asserts of the two descriptions of true, is to reducit a prove of experiments to No.

.

Mushet and Mr. Fairhaira, or Mr. Evana, to report upon, whereby the fact would be clearly ascertained. I agree with you that to the trade it is not a matter of so much moment, for they are guided, in a great measure, not only by the price of the article, but the result of their experience on a practical and not on experimental scale, as to its quality. As to the price, however, at which it could be manufactured, that forms an important festure, as does the description of fuel calculated for the purposes, as these considerations must necessarily have weight, as regards the adoption of one or other of the patents. In this respect, the landed and mineral proprietors are much interested, and as one I shall be happy to contribute my mite towards say fund which may be raised, for arriving at these desiderats. I think we are much indebted for the liberality with which Mr. Crane has come forward, and I feel assured that the company of the Ystalyfers Works, with Mr. Budd, will be gled to aid you in arriving at results, which can allow no question of bias or prejudies, having influenced the parties by whom the experiments are made. I had almost forgot to mention that there is one class of consumers of iron who must feel a more than common interest in the result of an investigation of this nature—I mean the directors and engineers of railway companies, the late fatal societents on the Versailles and London and Birmingham Railways, from the breaking of an axio, rendering it indispensably necessary that every care should be taken to secure the most perfect iron for the axies and other parts of locomotives.

A Lander Paoraiston.

Numerical, Dec. 14. We refer our correspondent to the letter of Mr. Budd, in our present Num-, from which he will find that his expectations have been anticipated by

ON THE FORMATION OF MINERAL DEPOSITS.

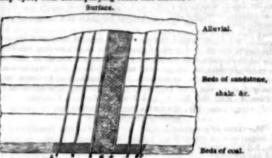
Security of the security of the letter of Mr. Badd, in our present Number, from which he will find that his expectations have been naticipated by that gentlemen.]

ON THE FORMATION OF MINNEAL DEPOSITS.

Stra,—Your correspondent, "Fer," supposes I did not get my mining knowledge at Oxford and Cambridge—in that he is quite right, nor did I ever know a practical sainer that obtained his harming at those seminaries. Them Mr. Fer charges me with self-exteen i plead quity—Who is without it? is Mr. Fer? Them he tells us that I confess that I cannot understand themshory of the property of th

onds one the scattery large person, is pleased to make the scattery of the person of the possibility of the person of the possibility of the possi a little more monitority, homility, and charity, towards those who may differ from themson, whitever credit they may be coldied to, as being practical miners, it may appear doubtful if they are more than Christians in theory. Mink men think their own projections are the truth, but it is early three who would prevent colored inspects are the truth, but it is early three who would prevent colored inspects are the truth, but it is early three who would prevent colored inspects are the truth. But it is early three who would prevent colored inspects are the truth in the prevent colored inspects and there is all about the coal, it is and amount as more are the prevent of the first seed of the far and martines assistant; but it may also "during any of your conders by three with its coal delta; but I shell one officed any of your conders by three with its coal delta; but I shell one officed any of your conders which I should be seen, but it is not prevent only seen, but I should not be the pick, I condition to the pick, I condition the prevent of the prevent and the commentation been been admined and a commentation to the prevent and the commentation of a prevent of the pick, I condition the pick of the pick is an and an antique of the condition of the prevent and the pick is an antique of the prevent of the pick is an antique of

not being so fortunate, or unfortunate, as the case may be, as to obtain my nformation in a "mining college"—perhaps, "both is best." The "dykes" met with in coal-fields are of two kinds, the grossators, or trap dykes, and clay dykes, some of which are only a few feet, whilst others are several fathows in thickness. The coal is generally found on each side of a "dyks," on the same level or inclined plass. Those called clay dykes are composed of the superincumbent strata, sandstores, shale, pieces of coal, clay, &c., &c., hard and soft mixed together hotch potch; on each side of these the coal usually holds perfectly good until it comes up to the "fault." With trap dykes it is not so; for five, ten, or twenty feet on each side of these, the coal is perfectly useless; at the distance of twenty feet or so it begins to lose its bitaminous quality, and becomes, as we say, "a hard burnt crust," or "braised coal;" this hardness increases as we approach the dyke, and for the last few feet it is almost impossible to cut it with the hest of picks, and its fracture has more the appearance of the broken end of iron or steel than sheets of coal. The open fissures between the coal and the dyke, as also those in the, apparently, calcined coal adjoining, are also important fixtures in the case; the fissures are from a quarter of an inch to several inches in width, and penetrate into the underlying and superinomment strats. The following is sectional sketch of trap dyke, with accompanying rocks and fissures:—



At a is representation of trap dyke; from b to c, on each side of the dyke, is "troubled coal; "1, 2, 3, 4, 5, 6, are fissures passing up through the cover rocks. Those dykes with accompanying fissures are usually perpendicular to the horizon, and the latter run always parallel to the former. Were we allowed to suppose that at any time the trap had been in a different state, and occupied a larger space, it might be concluded, that when it contracted it carried the rents into the adjoining strats. Whenever I have met trap dykes in a coal-field I have always observed large bodies of such in the neighbourhood, which would make it appear those dykes are branches leading from the main body.

P.S.—Should the present prove acceptable, I may, on a future occasion, give a description of "alides" and "nips." Although my draughts may be rough, they shall possess the merit of being taken from Nature.

[We are, at all times, glad to hear from "A Workman," from whom we have another letter in type, the present having stood over from our last. We are glad to find that he has confined himself on ose point, to the preliminary observations with which the above communication was introduced.]

# MR. HOPKINS'S THEORY OF MINERAL VEINS.

MR. HOPKINS'S THEORY OF MINERAL VEINS.

YO THE EDITOR OF THE MINING JOURNAL.

Sin,—"Geologicus's" knowledge or ideas of the ethersal and atomic velume, and elements of metals, &c., &c., may be correct for what I know, but it is all Greek to us of the nether regions. What we want is, a simple theory, practically useful in our underground proceedings. Mr. Hopkins's theory is the first of that description promulgated to us miners, and may be considered the mechanism and geometry of mining. I do not pretend to know what the Phoenecians knew, or discovered, in Cornwall; but we have been left without any assistance from them, or any of the modern scientific bodies, excepting what we have obtained ourselves, in the course of our mining operations. With the aid of Mr. Hopkins's theory, we can predict any phenomenon which may occur in Cornwall, or any other mining district, both as regards heaves, as well as the metalliferous contents of different veins. What other theory can do the same? Geologicus, as you very properly remarked in a former Number, must have very vague ideas of the different formations, &c.; sometimes he appears to allude to something like our coal and iron beds, and at others the mineral veins of our primary districts. Until he becomes a little more practical, and dealing with facts, and his views rendered into plain English, it will not be necessary to reply to his observations. If Mr. Teesdale will peruse my last, he will find out the cause of what he states relative to the heaves of the north.

A Miniso Capyains.

ON THE FORMATION OF MINERAL DEPOSITS.

Portland-place, Dec. 16.

ON THE FORMATION OF MINERAL DEPOSITS.
TO THE EDITOR OF THE MINING JOURNAL.

Sin,—I beg the favour of inserting this, if deemed worthy, in your next Journal. The subject of geology has been laid open for discussion in your late Journals, and though I admire the spirit of the letters of Messra. Deakin and lindge, for their firm adherence to the only true historical record of the earth's make and changen; yet I do not agree, that theoretic geology has done to good. Doubtiess many subjects connected with the practical details of geology, are as well understood by the intelligent and observing miner, as they can be by any of the schoolmen of the day; yet the latter have observed carefully, and have scarched extensively, and then, they have generalised to such an extent as to be able at least to interest and inform those, who have not the means of the miner of seeing those hidden secrets of Nature. This may be one reason why they receive more encouragement in nonunfacturing, than they do in reluting districts. In many cases the practical miner may be the cherevest follow, since his observations on that particular part with which he has been from his youth acquainted, may have been more extensive. They who investigate the world cannot be expected to mark the particular features of a given tract, as a man who has been gazing all his life only upon that particular tract. The general features of all climes have been, in a geological point of view, act forth, said brought generally to harmonise in those systems of geology commonly received. The cause of all formations, and the changes of facted in any given time, as well as the cause of those changes, have, I believe, generally been the chief source of eitherstein, and difference as any perplaced the differ. None should be too dogmatical—some should indule to eitherstein rather than in retional deduction. There is a large and ever varying field for favourigation, and all should labour only for the treath.

The subject of the coal formation has, o

Samp that to occur tractic planes thus to their state of even the abaqueous imajori as here obedien majori as here obedien majori as here obedien majori as here obtain this is and the metal of the met ticulars, wholly fo

may assistant their beautiful their beautiful their dail who by the of fractions in consist time, in trustice in the affinity will be prescripte as affinity. The beautiful quantific is the property of the p

resident by

to bear their part in producing coal, might be expected to have a greater inequality than that which is generally found.

6. A more recent, and, we think, a more tensible theory is, that coal was formed in the sea, or in lakes, or in estuaries, from vagotables found therein produced, and then reduced from a secondent to a pasty substance, or even to a state of liquidness, so that we find it equally and evenly compressed, and often circulated between partings and other avenues of the adjoining strata. It meems to have settled on its base, or rocks prepared for its reception, as they were formed, and thence only have we so many slips, as they are called, and so many risings and fallings, and so many contentions; all of which show a great conformability in the materials of which coal was formed. On this subject, however, we can only arrive at conjecture, as Nature has left us no sure footsteps, that we can trace her tracts. When or by whatever forwed, however, we seem to learn the following things:—

1. That it has been formed since the primary creation of the world. 2. That coal must be classed among the sedimentary formations. 3. That it was formed under the superintending providence of the great Creator, and kindly designed for the good of man. Doubtless we would all like to know the mystery, that is, as yet, hid from us; but this may never be granted, and what then? Shall we not thankfully receive the boon, and rather admire the donor, than quarrel about the method of its bestowment? Still let all search, investigate, and experimentalies, the practical as well as the theoretic man; until we shall, perhaps, at last hit on a more probable theory than has as yet been found. The study is interesting, and may be harmless, if we only go on in the path of rational induction. Many appearances in and about the coal formation, are peculiarly calculated to draw inquiry; and one in particular may be useful to the miner, that is, the cause and directions of the varied faults and dislocution found in these strats. If none e If none else do, at my earliest convenience I may, should this receptance.

U. THOMPSON. et with acceptance. Ores Assess, Dec. 8.

### ON THE GENERATION OF METALS.

Cress Assess, Dec. 8.

ON THE EDITOR OF THE MINING JOURNAL.

Siz,—Your correspondent, signed "Geologicus," may have something of importance to communicate, relating to the generation of metals, Ac., but it is essential to your readers that he should be more explanatory, and distinct under each head, and support his views in each case by reference to facts. I hope, therefore, he will favour us with an elucidation of the following points alliaded to in his paper of the 28th November:—1.

"Veins are often filled with the abstracted materials of the walls, occasioned by the violence which produced them." A proof of a violence is required.—2. "Mr. Hopkins's theory of the lamins of the primary rocks forming, and being formed, vertically, instead of, as generally supposed, horizontally, is equally defective, and contrary (with occasional exceptions) to facts." This important question requires most minute explanation, insamuch as Mr. Hopkins's theory has given to it an exciting interest; I presume "Geologicus" understands the difference between primary schist, and the unequivocal sedimentary strata, because the difference between the two is well known amongst practical men; therefore the two series should not be classed together. The facts in favour of the former being formed more or less vertical, and, therefore, not by mechanical deposition, are so numerous that it is indispensably necessary that "Geologicus" should bring forward clear proofs against it.—3, "That mineral veins generally form in this manner, is too well known to require comment, being, in all probability, known to the Phemicians." In what manner?—4. The electric attraction between sulphuret of lead and limestone rocks." This fact proved with something like precision, will be interesting. "Geologicus's "attention to the above queries will be estremed a favour.

London, Dec. 13.

fo-pie ni a nay end

nent retur stra. l re-etic the and yet hen, rest hose nore

ob-outh the ract, ract, iew, ingy

IMMERIE SUPPLE

ing. "Geologicus's" attention to the above queries will be esteemed a favor.

London, Dec. 13.

MR. HOPKINS'S MAGNETIC CURRENTS.

TO THE EDITION OF THE MINING JOURNAL.

Sia,—The writer of a very shallow article in the recent edition of the Regelogedie Brifamnice states, with reference to Mr. Hopkins's theory, that the origin of fissures in which a great proportion of mineral veins occur is certainly proved to be either by molecular attraction causing contraction of the mans of rocks, and thus generating joints or divisional planes, or by the tension of clevatory forces. Thuse and other opinions, thus dogmatically laid down as indisputable truths, would be very well in their way in a purely speculative work, issued with the author's name attached to it, but it is really too had to make a public standard work of reference the vehicle of conveying individual speculations, which glesm out of every department of the lengthy article in question. With reference to the above quotation, it is true that physical attraction causes gaseous or aqueous compounds to concentrate within a particular space, and that chemical affinity causes molecular particles to adhere together, but this separation of parts in sedimentary or other depositions takes place, in general, presions to the matter consolidating, or crystallizing as rock, and, in the majority of instances, these joints, or divisional planes, are formed, not, as here asserted, by contraction of rocks, not by elevatory forces, but in obedience to the laws of affinity and force, manifest in all disintegrated masses; but, still, it is very rarely the case that these veins are metalline in this early stage of formation, but the nature of the material of the vein forces and the case has to successfully resist the action which converts its matrix into one enuncilizated mass, and in this state it becomes the recipient body of the metalline matter which is introduced, counctimes by precipitation from introduced active to the cheefer action, are the results of chemical precipitat of both silies and calcium; the first unities in modular emergetions with the city which it envelopes—the latter concentration in the lites of its day partition in not work, strings, or vrient, of larger disconsistions, asparating from the city, and crystallising independent of it here thermo-shortivity may waitly, any call late actions the conditioning bedom, which thus becomes the conductor of the city that the late of a caline is the lites of the call, which these becomes the conductor of the stretch find, governing the disconsistion of the fine of a caline is the lites of the call, which the becomes the conductor of the stretch find, governing the disconsistion of the fine of a caline is the lites of the call, as which the becomes the conductor of the stretch find, governing the disconsistion of the fine of the call, as which the lates of the call, which the partition of the fine of the call, as which the lates of the call, which the lates of the call, the silication of the fine of the call, as which the lates of the call, the silication of the fine of the call, as which the lates of the call, the silication of the call, the silication of the fine of the call, as which the lates of the call, the silication of the call the silication of the call the ca which it envelopes—the letter encounters, in not work, strings, or volus, of larger dir in not work, strings, or volus, of larger dir.

agents of these metals into all porces and interstines of the surrounding beds, where the metals are precipitated and the acids units with the imbedded earths, composing these primary veins, giving character, not only to those serveral matters, but also to the walls, floor, and roof of the vein, and where the superincumbent strats is of a porous nature, penetrating to the surface of the earth, its molecular particles attaching themselves to the various metals disseminated through the material of the bed; thus, the surface bed, rich with pyritous matter, awakens the miner to the almost certainty of finding his quarry beneath. Mr. Hopkins speaks of the whole surface of our globe moving northwards several accends per annum, and thence he would secount for all the phenomena of change, as well as of mineral beds, elucidating all physical facts discharded by geology. But his theory of gradual change ill accords with Nature; this postion of the earth—may, the polar circle itself—was once beneath a vertical sun, and, consequently, within the tropical hand; geology does not attempt to occount for this, but, at the same time, it distinctly notities sudden and violent changes, widely marked and elverly defined; the natural philosopher takes a more expanded view of these changes; the evidence of vast hereis of elephants, once trending the plains of Siberis, of magnificent tropical forests, of animals and vegetables peculiar to tropical lands, and of coral forests, of animals and vegetables peculiar to tropical sens, tells him at once what they were, and that the change, she violent change, of the earth's position, by which one-fourth of the globe was awept by the hand of death of its varied inhabitants, was as sudden as it is strongly searched. Not so with Mr. Hopkins; he would give us a gradual—nay, an almost imperceptible change, by which the earth performs its revolution towards the north. Cambridge, Dec. 15.

\*\*SMOKE PREVENTION\*\*.

tible change, by which the earth performs its revolution towards the morth. Cambridge, Dec. 13.

A WERNERIAN.

SMOKE PREVENTION.

TO THE ROITON OF THE MINING JOURNAL.

Sin,—In reference to the letter of "A Manufacturer," in last week's Journal, I have to assure him the subject of smoke prevention, and the plan adopted by me, has not lost its interest, if I may judge, from the facts, first, that it is daily finding more favour with the public in the minufacturing districts in England and Sectland, and, accoundly (as canelinsive a proof, perhaps, as could be mentioned), that the attempts at imitation and infringement are more numerous. People will not be at the trouble or risk of imitating what is worthless. There was a time when I was charged with the "groasest ignorance," for attempting to burn, and thus convert to heating parposes, the combastible gases from costs in a farmace, by admitting air to them behind, or beyond the bridge, indeed, all imaginable injuries were anticipated from such a process. These consequential damages, and the ingenious absurdits by which they were supported, are already forgotten, and several, who are now seeking favour as "smoke burners," are merely contriving to effect their purpose by modifications of the very plan to which they were hitherto so opposed, and on the principles laid down in my Treatise on Combastion, thus practically illustrating their correctaess. Among these, the most unworthy, as being the more barefaced, is that of Mr. Joseph Williams, of this town, to which your correspondent has referred; on this subject, I bug to refer your readers to the advertisement of Direks and Co., taken from the Liverpool papers, and which I now request may be insurted in next week's Mining Journals, as permanent record.

With respect to the correspondence between Mr. Samuel Hall and myself, I have been looking for your promised editorial comment; on the same, you say you have been "resting for information." On my part, I replied to all Mr. Hall's observations that required as not unw

Core correspondent will find some observations on the subject in another column. We have not taken especial notice of the charge of "unfairness" to which he refers, for the error was one late which, not only did the noteting at Leeds fail, but we have to admit, that, for some time, we were under the like imprecasion, after much correspondence had taken place, and inquiries instituted—indeed, the patents of 1836 and 1841, we at all times were given to understand were those on which Mr. Hall relied, that of 1838 being a link in the chain.]

# NEW THEORY OF APPLYING STEAM TO AN ENGINE.

NEW THEORY OF APPLYING STEAM TO AN ENGINE.

TO THE EDITOR OF THE MINING JOURNAL.

Sin,—I shall endeavour to show the difference betwist your correspondent's views, regarding the benefits of condensation, with the plan I propose of condensing the steam in a close condenser, from which the cir is exhausted, for the purpose of feeding the boiler with distilled instead of sen water. As steam from water at 212, and even below this temperature, will oppose the contracte of sir into a boiler, it therefore follows, that water at this temperature is equal to the presence of the stoodynere. I propose that condensation should not be carried further than water at 212 of heart; and suppose the engine worked with steam from water at 212 of temperature, the difference of 22 above the boiling point, will be the effective presence employed. By this plan of condensation, the greatest apparent gain, when pushed to its greatest possible axised—mannely, 60 of temperature—would be 1 lb. of pressure, or the steam from water at 212° but it must be remombered, that in the one case the boiler is fed with water at 60°, while in the other case, with water at 212° of temperature, proving that there is a positive inno, even with the improved condenses, to say nothing of the additional lass when the present condensing apparatus, with an air-pump, is used. According to the view that your our-respondent fakes, a condensing engine, worked with 1 lb. officitive pressure on the pixton, would prochone nearly two-thirds of the power that the same engine would yield, with an effective pressure on the pixton, would prochone nearly two-thirds of the power that the exame engine would yield, with an effective pressure on the pixton, would prochone nearly two-thirds of the power that the exame engine would pressure.

much the existence of a power, such as shown by Mr. Davidson's of much the existence of a power, such as shown by Mr. Davidson's of mus, anything like sufficient for the propasition of heavy machiner would advise "Electricitus," before too confidently hazarding su opinion, to take warning from a certain learned doctor (whose opinio the looked up to at the time as very high authority), whe, we all reso only a very few years ago attempted to prove the impossibility of a shoat being able to cross the Atlantic, but who very soon afterward ye go in one to the New World, in order to avoid the primposed by the offended laws of his country. Mr. Davidson, hower mot only blamed for not being able to create power sufficient to beavy machinery, but he is also accused of "having proceeded much ther in his experiments, and of having gained more knowledge on the ject than he wishes his impairing auditors to learn." I know nothing Mr. Davidson beyond what I have seen of him here, and the highly a factory notices which have been taken of him and his monitors in press of his native country; but I am informed that he has devoted a sun if that is the case, can any one, I ask, "not acquainted with else magnetism," reasonably expect that he can learn at one exhibition, at the expense of a shilling, that which has cost the inventors on years of unwearied exertion to acquire. Mr. Davidson propels mach by electro-magnetism, but I have never heard that he professes to to by electricity. If "Electricitus" has really "a love for the advances of accence," and a deaire to acquire a thorough knowledge of Mr. Davidson, but in reality a person possess of much scientife knowledge, which he will communicate in a frank a intelligent manner. As Advocass or Electricity Power.

ELECTRO-MAGNETISM AS A MOTIVE POWER.

ELECTRO-MAGNETISM AS A MOTIVE POWER. tow upon him. "Electricitis-tot a practical man in electro-m-much the existence of a power, or much the existence of a power, or

St. James a-park, Dec. 14.

ELECTRO-MAGNETISM AS A MOTIVE POWER.

FO THE ERITOR OF TEZ MINING JOURNAL.

Sta.,—The very liliberal attack upon Mr. Davidson by "Rectricition is only such as might be expected from one who, as he himself confesse is ignorant of the subject on which he writes, but yet presumes to give I unqualified upning. The results of a mun's intellectual labour are bown, to give Jo, or to withhold from, the public as his inclination or iterest may direct. Mr. Davidson appears in public such as he in—a plai unpretending, practical man; he has expended much time and money experiments, which, if successful, would most assuredly benefit the millions inhabiting the earth. He has succeesed to a certain extent, saff cient, indeed, to convince scientific men that much more may be done beyond this extent, his means will not reach, he, therefore, appeals to the intellectual portion of the community, in the, I fear forlers, hape of finding partons and friends, stating candidly, that with appearing of genting magnitude, and the means of making experiments, he has no doubt mus more may be done. What right, I ask, has "Electricitus," or any eth anonymous scribbler, to call upon Mr. Davidson to render up secrets, he have any, which, resulting from the tolisome application of the mil and body, are his own, and may eventually prove hemeficial to him? I be the merce electrones in his misfurtune, and the shame of a cold calculating community; the shame of those who squander their thousands in via and frivolous parsuits, and leave modest merit to work its own way throught mids of insurmountable difficulties. As a were mechanic, Mr. Davidson has done more towards promoting this really desirable chies than Jacobi and other acciuntific see have done. If Mr. Davidson he any secrets, I trust he will have the good sense to keep them to hissel until assured that he will drive profit from them—publish them at the distum of such Amere condition men as "Electricitus," the literary dromes society would acknowledge the obligati

ject of which, by his own confession, he knows nothing,
Grescone-street, Dec. 14. (As E.
CARN BREA MINES.
TO THE ENTROL OF THE STREET JOURNAL,
Sen,—I have read, with much surprise, the leading article week's paper, and having furnished you with my name and at ture to hope you will give insertion to the fullowing charrest unnecessary to enter into the causes of the temperary cashes these mines, but it is a simple act of justice to state, that they can from misplaced confidence in the agents of the mines, or pear to think, from ingratitude manifested towards the late tree is not the impression of the latter, or any of his friends; and allowed, as a well wisher to both, to express a regret, that a maint should have made a personal charge, which a little in have convinced him was unfounded.

Altempts, happily unsummath, have been made by wicheding persons, to sow discension between the two personal sileuteings are daily held for the purpose of taking advantage of the mouts, and every effort is being made to lower the character or and depreciate the value of shares. Such attempts will fail. Brea Mines are the best in Cocuvall, seed. I may add, in the wis now certain, that we have little to fine from foreign compative in known, and it covarious every device and variety of achieve to The advantures have the value of the mines, and are contain rewall of an investigation of accounts, and remodelling of it system. The parties interested have adopted a well consider which justice may be secured to the creditors and the advantures, without a first to them. Let me invite any absorbabiler, who feels a distancement, to investigate the proceedings of the concentine, as the profits will be determined any shoreholder, who must be there. Let me invite any shoreholder, who committee, and on statements, to investigate the presendings of the committee, and on mines to be inequested. It will then to seem if commetting is not due is whose emergins here developed and perfected this brilliant under and you will. I hope, recall the unjust attack on him, and on the agents of Cornwell. I think it sight to add, that I shall not seem subject in your endeavor, nor shall I think it necessary to notice from interested parties here, purporting to come from Cornwell, I am marry to say, there are enough in that county who are plotting shares. To them I will say, "Wreshing is not a safe nor an home cotion, and it has been for some time abandoned on your count, vessed they had hoped, and buliaved to be, "on the rocks," in from the breakers, and, if I may be allowed to carry further my mate the walter the walter the actions of sing.

Due, 14.

And some to done the channess of carry B.

# MEETINGS OF SCIENTIFIC BODIES.

A STATE OF THE WARRING WEEK.	_
SMEISTE PEACH, OF MENTING. NAT. HOUSE	
Marul Asiatio	m.
Warte bester Madical Ranter fhelb	25.
Martin's pince	Me
Britigh Ambitacts 14, Grove apog. street Monday 8 9.	w.
Bettigh Ambitatts Id, Generapog-steres Monday # P. Battigh Butt-re-deft, Fluor-afrest Monday # P.	m.
Linuxus licenterior. Boko aquami contribe co. Thomasy # F.	
London Minchigal , Adelalograffeet Tutaday 8 F.	
Chemical Society of Arts, Adelphi Toesday # P.	
Medials of ad April Adelpine	R.
Microscopical 21, flegent street Westerning it v.	м.
Soyales is conserved Remarket thereto Thursday	M.
Antiquaries Somernet Honor C. Timeniag 5 F.	16.
Mi. Hossety or Autorature St. Mortid's place Thursday 3	
Andrew Contract Contr	-

THE STATE OF THE S	ed and the
Doblin & Liverpool Steam ship Co. Dublin	17 le
Pulmanua Estamen Camptoy Exchange buildings, Liverpool	20 12.
Importal Blats Company & Mohert street, Adelptel	20
Londs Water, Works Company Court house, Londs	21 17.
Challenhom Gen.light & Coke Co. Chellenhom.	21
Part Grounder Mills Company , Office , ,	21 12.
Bukin Stram Navigation Co George and \ ulture Tuvern	28 15-1.
Royal Santingu Mining Company St. Broad-street buildings Jan.	4 1.
Angle Musican Mist	4 2.
EALLS.	

### DURBERT PRICES OF STOCKS AND SHARES.

The provailing topic of conversation in the consertary circles, during the gast work, has been the recition advertised in the terrating papers from the Lovin Commissioners of the Transany, stating that they would be ready, on the 10th instant, a panel to ready, and the families of aperture, to the Associated to ready, the statement of the Associated to ready the instance of aperture, to the associate the properture of the associated to properture of the associated on a parameter state of the master, then brooker, so the statement we are present state of the master, then brooker, would readily comes forward, as it leads a serious properture of Commission, but the present state of the master, then brooker, would readily comes forward, as it leads to the properture of the properture of the section of the sectio

Consuls Municy, that
Dictor Assessment, 1915 94
Highery a per Cartel, chal :
Madigard & Day C. Stille Pop 8
Reduced 3; per Cente, for 4
Long Amediant, Fry 16 5
Hart Berch, of Lorent of read & is al.
C ANDRESS SEE SEE AND ALL SEE
Butghen Being 9, 8 par Cubit , 107 5
Meighed Boort, 5 per Cost , 107 5 '
Brautate, in pas Court., mag 4

ATGCK EXCHANGE,	Section of at 173.0, man Commute pt.	
ATGCK EXCHANGE,	Section of proceedings,	Two less of place
Out-th.,	19 per Cond.,	10.5
Detto,	19 per Cond.,	10.5
Detto,	10.5	

The president on gold of Peris in 14 per mills, which, at the English Start price of \$1,75, 104g per conver for charactery gives, drive has exchanged of 70 mg, and they are cash, chearer in Loredon them, in Paris.

By advance from Manufaccular the critic and gold in \$1/4 per court, which, at the English Start price of \$1, 17 a. 10 d. per courte for Gandard gold, a rewain curpings of 5 vog, and the creatings of Humbergh the Courte from Manufaccular the English Start Peris of \$1, 17 a. 10 d. per course for Gandard gold, a rewain curpings of 5 vog, and the currings of Humbergh on London on about Perigrant is, is saiding the start period of the courter of \$1, 17 a. 10 d. per course from in Humbergh.

The course of a charge of New York can London to the per court, and the per of achieves the travel in the courte for the courter of the cour

BANK OF ENGLAND Guarterly Average of the Workly Linkships and Asacts

sinal interes	Accuse.
Deposits	Building 6,91,000
Demontor whered first &	#11,194,000

I premain, 1996, p Wickings Copper Stones, 1975.

LESTS, Farmannay.—The Improvement imbirds we anticipated in the railway have mortist has been going on overlag the past work on we predicted, particularly a copied to the present of the past work on we predicted, particularly a copied in the past work, and the past work of the p

Let | Present Parising | Electronic Colors of the Fourth Stat City of Canal, p. 1.

Add | Maintenan, Onl. | Manager and City of Harrowy, and | President Canal, p. 1.

Add | Maintenan, Californic Colors of Colors of Harrowy, and | President Canal, p. 1.

Add Canalists | City of Colors of Colors of Canalists | Californic Canalists | Californic

SALE Of COPPACE CRES IN CORNWALL.

Phore was NO SALE last Thursday, the 16th last.

Copper over for sale on Thursday, the 16th last.

Copper over for sale on Thursday, and Andrew's Hodel, Redwith.—

Proceds.—Trustates, 20; Tothellas, 20; F. sey Consts, 26; Per Consts, 26; Per Consts, 26; Per Consts, 26; Wheat Garland, 17; Charlestone United Situes, 112; Women Commiss, 21; Wheat Garland, 17; Charlestone United Situes, 112; Women Commiss, 21; Wheat House, 21; Wheat From Commiss, 22; Wheat From Commiss, 21; Wheat From Commiss, 21; Wheat From Commiss, 22; Wheat From Commiss, 21; Wheat From Commiss, 21;

1992 1996.
Copper over for sain on Thursday work, at Andrew's Hotel, Redreth: - Mines and Parado. - Unified Mines, 1864, Hallenbergin, & -; Yowey Canaria, init; South Cardina, id-4; Minth thursts 200; Tveloigh Canadia, MI, West Carakia, led : Treservate, id-9; Whent Vyvyen, & ; Kast Whest Treaterly, & ; Keltenberg, 7.—Total, 5401 5208.

### SALE OF COPPER ORES AT SWANSES. upled November 23, and sold on the 14th of December.

Money	7.00	1	grider a		Simil.	1	ries	7	Mose	Free	-	Perime	Bush	P	tion	
Cobre	ful		122	n is	95	10	3	'4	Santiago	107	1	164 .	. 864.	. 13		
48866.	27		28 -		tog.	18	12		office	log.		164 .	. 961.	. ta	9	
Citto.	20	ree	123	00	974.	10	- 25	0	dittion . To	20	**	984 .	. 181	. 13		
mills.	64		120	Date:	90	18	17	6	ditto							- 6
ditte	43	**	244		S/5	17	1	16	ditto							4
Miss.	91	0.0	124		sog.	10		6	ritte							
- Hillian .	24		1.44	**	Dec	10	2	6	AIBM							6
ditte.	11	00	201		Bid.	16	Set	-	- sitts	55	**	284 .	Mai.	28		
stiffe	60		774		91 .	18	16	6	dilto	366		154 .	97	. 13		4
mitte.							7	6	ditte	\$65		154 .	. 574.	12	12	6
sinter.	. IFS		122	66	1074 .	10	28	A	\$180	58	0.40	165	. 1054.	13	*	-
ditte .	. 19	100	24	00	98.	12		-	Valparaion.	46		822	Hilly.	44	18	
eliter.			124.	0.61	26 100	9	10		eute	47		As	. 80 .	. 44	50	6
Milks.	. 40		20		WZZ	19	1	-	dictio	45		58	. Maj.	.45	10	
#Mb	96		PER .	0.0	Section.	10	4	-	British Reg.	506		£85	. 96	15	1	
ditte	. 93	00	221		WJ	18	2	-6	Chill	63		201	954.	12	5	
ditto.							7	10	Knockmakon	64		16g	1034		4	4
ditta	. 42		204	0.6	W.M	16	16		LAMY						2	4
Bankings. c.	. los		194 .		264	la	1	6	Lockamore /	38		159 .	Hoj.	10	7	

### Total tons, 2502.—Yotal mondet, £15,50 9 6 TOTAL PRODUCE. TOTAL PAODUCE.

Colore	Korekmahon	64 44	*****		250 250 261 261		
British Kegulus 98 1474 In	 Lackamore	än,		6.6	Ext	6	9

# COMPANIES BY WHOM THE OBEN WERE PURCHASED.

The state of the s	There.	Am	O STATE	E.	
English Cooper Company	Inis	1923	12	3	
Processed and Co	96	12007	7	4	
Grenfell and fions	245	93,986	15	0	
Sizes, Willyamo, Neville, Druce, and Co	185	1386			
Virtan and hous	2007	6141	19		
Williams, Foster, and Co	N504	ak law.		3	
Mines Royal Company	394	268	1		
March Committee	man 175 as	-	-	-	
Tutal	2701 : 1 164	,847			

Copper cres for sale December 28. Cobre 1/4, ditto 102, ditto 101, ditto 74, ditto 29, ditto 75, ditto 75,

# WORK PHEFORMED BY CORNISH ENGINES

The number of purposing engines reported for the month of Nov. Is 43- the quantity of coals of admitted mone to the time, filling, in the suggregate, Expressed toos of water 10 following high—the average dairy of the words in therefore, 13 and no mainfall I fast high by the communities of I basised of coal. The following is a list of times engines. (In word of which has cheforded the average; —

Mino.	Regimes.	A COL	Load per lotn.	Birks.	Con- sarrage of equal in loops	IR. Syn	Aver. coin. of water p. min.
W. Darlingfon	Emitere, 10-ig. s	16'5	13.3	3.46	-	64,150,141	349.0
Gt. W . Postmer	Prinque saile. a	97	18'6	3.0	Tv.500	8d 981,104	3604.3
Gostalable	Miller's set les a	16.0	41 19	4.0	1.600	04.794.775	1
Buta	Morberto' Milias, &	100	88'84		1314	60.449.449	3 hrs.n
Wa. Vot	Mortage's #6 In c.	18.8	16.0	6'0	2540	67,909,134	1
Detto carrier	Trelawney st. in .	10'0	16.2	6	3494	56,946,1bp	1 404.0
North Assistar	New 70-16 4	10.6	1814	4 76	1564	16,146,300	997-4
Wh. Car	28-50c 5	80.4	44 97	6.1	2067	67,114,000	710 0
Cara Mesa	26 In	8.0	15'65	27	1802	54,667,414	1
Ditta {	film's bis. in. com-	} **	14:59	14	459	99,745,408	387.4
United Mines	Faying's st. in a	11.0	12.12	4'54	P310	101,790,525	1
Date	Eleberg'e Ba im a	.00	10.0	e-2	424	27,271,834	
Durin	Littled's \$50 by a	100	40.0	7'84	2401	64,533,774	1303.1
Birls	elementing's his tax of	tee	10'86	4.83	E128	61,595,619	,
Unetpeak Hillian .	W Divarren' em-air #	100	9:92	F81	3448	70,780,811	319/34
Pullington Con.	Vigora's de la s		16-55	2.8	3604	74,530,561	950
E3M Wh. Rose	Michael's 76 in a	10.0	0.0	8-27	144	\$3,781,430	-
Fusing Code	Annin's water	10.13	25.75	A 95	FREE	81,075,014	393'46

# LATEST CURRENT PRICES OF METALS.

LONDON, DECEMBER 16, 1842.

frearen Foreign, bon # # 0 to 2c iv o	Corean-Gid
For relevery W M to 27 lot to	Cake p.lon . u u to ad u v
fixe - Engiten closes	Fier, cabe 0 tt n to all d 4
determination of period of a di-	tibe 's s s be at a s
income or thing reads from , there, p., boug. A see to	Trw-Suplies, besein, &c. cur. 1 5 6
Nall roots	n w hars 0 ww x 2 4
House # # # 7 15 #	Boorism, Hauca . G . C H . S . 7 . 8
m Bheels 0 0 m m to c	Mercete . W "w b 'A' 1 W
Charges in Mades R # B 4 th #	Person 2 a a 2 to a
Fig. No. 1, Water # # # 2 10 0	The plates, No. 1C p. beg 1 4'0 1 ff a
No. 1, Clyde o w a 2 to a	w w No.1X 1 12 0 1 to 0
. For , Swedich 11 13 0	", washes in p. hery hem
to Mercess, rows and the St.	Likes - Wheet mided p. tok 17 IS &
er es 898 pres rec a 12 0 0	as a Start, patent
m Gouried Li le w	n Red
Atchangel	White
trans Revelop boy p. ton 15 4 6	Free Loan - Magilish w o a 12 4 6
. Fagged # # # 10 0 0	Manager 0 w m 12 & w
because Househole characterists, No. 4, 4 54	American A SA (7 A A)

BEVAREN.—Enquish from still constrone without animation, as is the case with foreign.—Secul street, — English proper rather finate, at finances prices.—Fin is without discussed, and the foreign removable feater.—The hostones in the plates constrones beauty. —The Regions limit morfer to file-raise strandy at into interested, and the english limit morfer to file-raise strandy at into interested, and quies offers stationary.

# (From the Midford Counties Horself of Thurwing.)

From the Nullivad Cuestine Hersell of Theorems and Theorems is the metabol five metabols deem and immunoring metabolishing length interjude form, for which the networks come in children by the houses he Mades. Bitle is compare has been let remark densite of the Nullishing the trial making herois solds at set, per box, for crossing networks. A larger sets of finishing sets in the latter place of the comparent of the null finishing herois solds at set, per box. Such a larger sets of finishing sets in the latter place of the comparent of the null finish from its responsibility of the sets of the control making been different each post of the period sets.

MANUFARY or Prices of cools per two of the class of the country of the Cools and the Cools and the Cools of t

TO SPORTSON TO THE PROPERTY OF THE PROPERTY OF

# PRICES OF MATERIALS IN CORNWALL

REAL PROPERTY OF STREET	100	58	16	A Late of the late	244	IAG
Constitution, per ckt. 177	gr <sub>ed</sub>		160	from-wire survey, each	20 66	24 64
Mills look water profitters, 200 to		-2	6	from-wire work, per foot		
Best tough whim chain 24		.28		Bound nails, per cut !		15 2
Boiler plates		13		Half-heard ditto, per 1880		
Hoos less	10	12		Hatch ditte		
Nati rode		19		Half-hatch ditto		
Miners' shoveis		300	. 6	Linsand oil, per gallen.		
Charcoal iros		14	4	E-pe ditto	1 2	100
Gunnammer, per too for sa	10	126	- 64	Birch, per fact		
Leather, perily, it, like Alice, 1	200	8	201	Place	100	40.00
Cools, per ton, alguer as li		In.	4	Shoot lead, per cwt	2 . 4	20
Cuarlies, per durqu fig 3	6	3	41	Barrow bends		11 4
Tallow, per cut		100	6	H 2 stort (1/28hp.)	4.0	-
Ropes		40		20. mails		
Flat ropes considered of		44	-1	Pick hills		100
Hemp				Shovei biits		
White yarn, per cut		44	7.	White ground lead?		100
White rope / 18038 5 43		44	Sel.	Red lead		2.2
Grass-Wire All Std., cach 3	-	-		Best viles iron		
Ditter nuncialag		-				
. The tir arm of the tree of the	-	0.0			-	
- I am and desired the print prints on all	00 C	100	800	reter to must be-as I dan.	2 860	-ECa
		77		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2000	1607

We have helder information from any of the for ten mines

a Mexican manufacturation from any of the foreign mines carried the week, but a Arithmetican Timent's have been done to the h. log an a rance of the per chare on last work's price; Tregulan have resemed up the Wheal Jewy 61.

I SHIRING MINES.	BRITISH MINES-maliped.
Sherre, Gampony, Paid, Price 50 Ap. (1927)	Shares. Company Paid. Pric
AND AND COOK	1's Treviousy and Barrier 175
4.00 Bb.0000 4 5 3 2	% Tresavens 110
19 Bitta Chrages 126 200	170 Trethelian , 1do
19.00g schiple/eng 70	4,000 United Hills 4
a,000 Blatteredo 48	6.000 Wickley Courses. A L.
1.70 Brewee	3,845 West Wheat Jowet 40 64
79 Essinisk 29	129 West Trethellau 75 75
	A) Wheat Vot
\$100 Con Trends Mining Ass. 4 12	1,000 West Carbery 15 12
pow Cornellow Loud Co 2 . 2	POREIGN MINES.
1942 Co-20 City City	THE PROPERTY OF THE PROPERTY O
114 Charlesquen 750	A,000 Alten Mining Company 184 4
250 Chery Benwa 40 ,250	10,000 Augio Mexican Co 100 11
The Commence of the late of the party of the	3,374 Do. Salverigtion 25 25
6,000 BushereCountyCuartes, 27 9	2,000 Belanes 4
128 Kast Pend 210	Ditto Serip 16 9
100 Great Consols 37 son	10,000 Brazilian Imperial 21 vi
0,000 Hiberman 124. 74	10,000 Bolivar 20 10,000 Ditto Scrip 10 . 2
1,000 Hotuftall	10,000 Ditto Berip 10 . 2
2,000 late of back (Guernary) 11 #	10,000 Cata Branca   Brazilias .64
80 Levant 450	10,000 Conecição   Co 4
9,000 Mining Co. of Ireland 7 lag	12,000 Cours CopperCompany 46 29
128 Mostyn Mines 100	8,500 Colombian Co, regia 85 2
70 North Researce 200	10,800 Copiapo Mining Co '134 . 94
Lour Poisseron Crusnia 19	month General Mining Asso. 20 . 4
a, and Eliyanney from All	5,351 Mexican Company 160 1
128 Routh Caraden	12,000 Mocanins and Cheart 25 44
Sie South Towas 10	14,582 Renidei Moute, regis. cas. 11
61 SouthWheel Basset	(Bo, miregintered 31
57 Speam Most 70 100	Ditto Loan Notes 150 50
135 Tregulina 30	7,000 Royal Santiaco 10 27
4,000 Treleigh Counds 5 14	11,000 St. John d'el Rey 15 31
6,000 Tanuar Consoit 3 24	49,000 Uniter Mexican 40 14
Com Tin Cruft 7 . 64	Black Scrip, add capital 5 14
120 Trewaras 120	Red New Herip 24 3

MATLWAY SHARE LIST AND THAFFIC RETURNS.
Railway share still keep timir position in the market, and, on some of the esta-lished lives, a farther increase in price has taken gime. Grand Junction shares are remarked [19], and are lossed for at that price; Limiton and South Western her been don't at 62; and Manchener and Lond 75; a hight improvement may

Line,	Entire Lgth.	Now Open.	Property and	PAL OR	Val.of	Returns.
Arbreat hand Forfar Kallway	15	35	A 101.44	13	124 .	#164 12 "Z
Sirmingham & Derby June.	48	Set	334,414	100	404	1134 20 0
Mirmington's and Characouter	9.75	28.0	17,40200	100	30.0	1394 13 9
Breading Junction	128 1	11244	- ALAMA	1000	16-011	404 15 4
bester and Bickenhood	144	146	4 444	100	ALC: U	man 14 12
Dublin and Kingstown	6	6	E=1,280		77.0	444 4 4
Dandon and Arbenath	141	162	E24,3534	75	100	100 B 6
fastern Counties*	1254	174	1,476,170	-	1	400.75
Edinburgh and Glangow	46	44	1,258,754	59	48	1541 8 8
Slanguw and Ayf	8.6	40	600,545	43	40	629 JO S
Bagow and Palstry Joint	228	273	2544,0440	25	25	101 16 4
list, Junet, & Librotor & Course	1167	015.	2,190,647	100	191	6010 T W
from North of Engineed	-25	45	L.000,000	100	58	1199 1 9
ireat Western	218	168	5.086,814	65	Did	11674 18 9
layin	19	19	136,00s	110	-	Word 1:0 7
Sail and Sailof	20	AI I	400,000	100	.m.	459 6 1
Assessed & Prenten Jone,	344	204	DIRECTOR -	671	17.4	To design the
Averpool and Manchester	31	.51	1,479,790	line	INLA.	8297 7 S
conduct and Directorybum	1124	1124	8.754.800		136	18829 13 8
Hawkwall ben sebag.	7.0	3	MC SID	99	24	A13 2 9
attraction, moral lightly them.		441	2,444,500	- Bertill	-036 I	9971 6 4
marine and Cropping	104	104	\$47;meg	144.2	5 PA	1.838.38.14
Lamedran mand Capacito in July	. 32	33	790LBG	100	44.1	230 4 4
desicus and Bouth Western	963	77	7,293,607		100	4349 8 34
functioner, Bellem, & Bury	146.	No. 1	- 27m.mak	11 (12)	840	A88 10 5
Innehenist & Hirmingham	-40		4,100,018	40.2	1704	-
Lancheniur and Larges	240	1.0	2.5/3.3em	216	24	Sec. 31 . 5
Endiaded Citization	3.7	- 69 (II)	1,410,000	100	62	**** 13 *
towestle and Curlisis	God	- 604	- 178a,are 1	100	-	118F . 1
inweatly and N. Shiehia	2	- 2 - 1	. BELAT?	-	166	ma 17 4
torthern and Kasteru!	N24	324	836,213		264	1885 7 1
orth Midhad	799	729	2.W29.0%	1.0	AT.	SEED .
orth Casest	19	180	Briton, France	76	264	-
continu and Wyre	354	194	170,000	- 14	-	194 34: 9
Section and Manchester	49	2	1 291,327	MEA.	att.	200
meth Exstern	42	40	7,103,444	540	100	1118 18 7
of Vale	99	200	5.09.705	Done i	= 1	548 G 11
ultr'	25		289.045	994	-	
ork and North Midland	24	28	445,500	540	954	Ibu A
* Including Northern and I	Burgara.	Bertin.	and the same of th	4 2000	-	4

JOINT-STOCK BANKS.

In another minum will be frome a notice of the present state and profite Chinella's flows and Loren Company, about which our reasons will provided considerable on the way made ensure months seem, it will be seen that parties reflect where so for way and ensure months remark it will be easily and the minus and winding my of flows affices, were permuture, as the first enjoyed from the found directing, states the bank to be in a some premise and so-noting offices in directing, states the bank to be in a some premise and so-noting offices of other companies has factor place thering the ways, lacion and Cuircials have improved from 1; to 2 per shape.

					The second second
	Company, Publ. P		Shares.	Company.	al. Price
JAMES.	Ameterdacin en	1854	- NO,4876	Licetpool Borough	20 120
20,000	Niconagham to h	ekim.		page Buck of	
24,498	Melina N. Ascerteus 40 1	54		Dillio Bunking Co.	
	Choltenh & Giorneah, 3 1.		20,000	SHIRE COMMERCEN	
DIR, BUT	Communicated at Eng 3	NO.	2,000	Ditto Rodal	
	Consequent of London per		100,000	Manch. & Liver. Dis.	15 Inc.
30,000	Colonical	130	The 300	Meantharton	10
Sergente	Exet of Engineet 10	24	Box 1980	Manchester & Malrold	10 10
19,695	fill-montorehore 1/11/16 (	mg		National of Ireland	
A.per	breaker, and containing the I	A.	LOUBOR.	Nati. Provi. England	St M4.
DAME	Loods Bookpag Co. D	9	CAL PROPER	Nitoth & South Water	10 44
20,000	Adults & World Righting #4. 1		20,000	Provincial of Project	
LOCATED.	London & Wondoning, Service 1	M.	DOMEST !	bonth Lancaghin	24. 44
BELDIN.	London Lider, stop 4 - 16 I	84	36,460	W. of Bog & S. Waiself	Control of the Contro
30,000	Lincolers, and County 14		200,700	Unders of Ametrodia	M MA
ED, BOOK	Liverpoor Affania 18 1	185	Bio, Indian	Union of London.	10 10

# MINCELLANDOUS.

		The second secon	The second second
Whateh Company	Peak Price	Mades. Compady.	Pull. Print
10,000 Augle-Minkes Mint	10 114	Later Long. Class. State 8	March 2011 26 "
IN THE AMERICAN STREET	D45 2	Lamb Samueled Come Six	A
10,000 Aughadia (Charlege:	4	S, 400 Lossolius Carriadelli	met. 136 . 15.
10,000 Audabe Christer	124 - A5	3,000 London Cometer	Name 100 at 100
country boarded, high-investment.	260'A . 26	'a territore Mires Jet.	Dec. 18 67
ELPS Migrael Bastones.	- Ab - E-	Allegate Journe Parter William & B.	W 44
Dr. and Balley Publishmen	. I 4	DAMES, SPENISSE S. S. AM	white M
"S. free Blick Acres Little Co.	351 94	- New Brestewick	Bale 08 (5)
"A THE WHILE THANK IF THE PARK	29. 19	Principal and the Chel	SCHOOL SE 578
- 6,6 m Brit. Book & Phil. Gall.		Auto/ Rosset, Inc. Study	AT AL DRE LA ME
A.F.S. Christian d. And Cle.		15,76F Boorst, Pati North	Marie - St. Artes
A, need R. C. of Cities Adjust Don't	. 90 [4	2,000 Flant's lines From	M M
- 5, "HE SENDWICK Palent Said	35 336	14 all Street & Amelicania	otton Was Mill
H.779 Rivallation been been		SURE MAN DESCRIPTION TO	
No. 201 GOODS WHERE NAVING		Adria Themes Tonnel	we down the later than the
6,000 the Burel Det See		10, for Van Honesa's La	
3,760 Weight of Market	pile" \$14	A. Hill W. Line & Windows	10 m. m. 10